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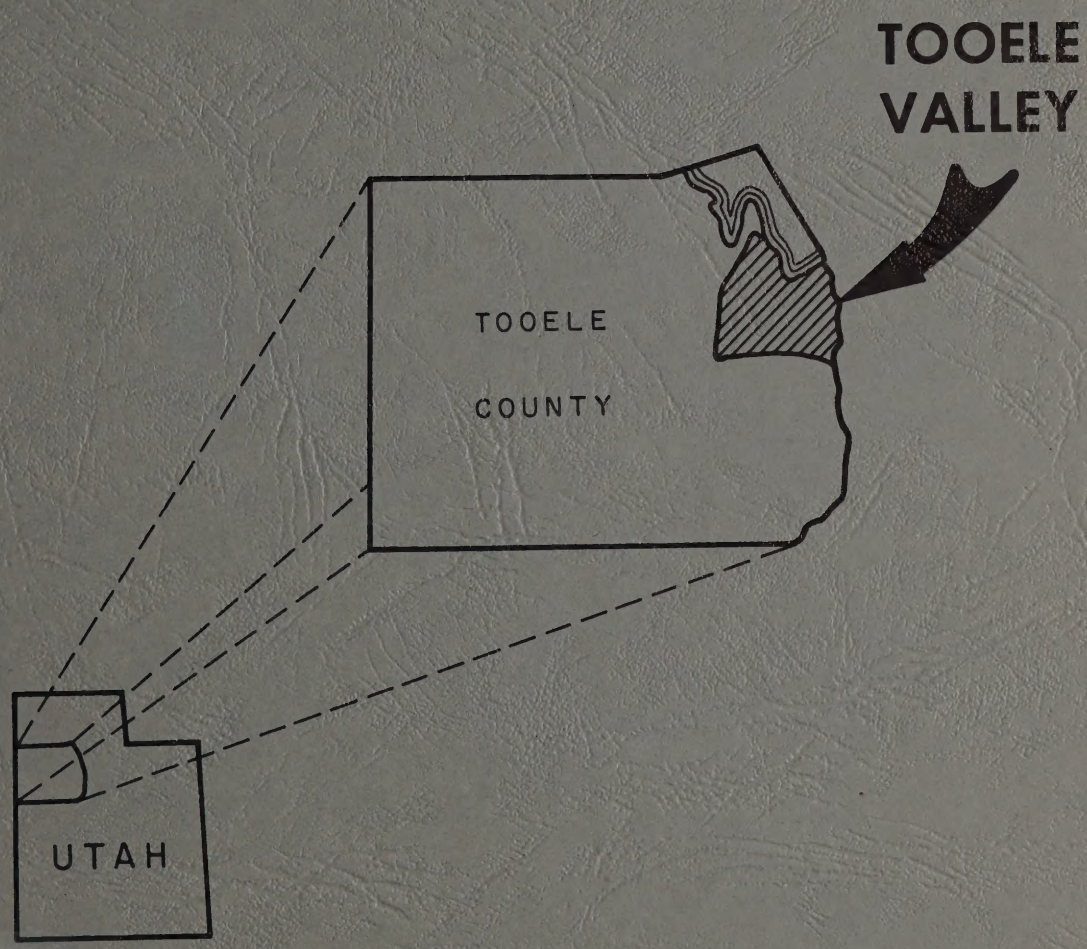
TOOELE VALLEY

TOOELE COUNTY, UTAH



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BASIC-DATA REPORTS: This is the seventh in a series of basic-data reports prepared cooperatively by the Utah State Engineer and the U.S. Geological Survey. The basic data included in this series of reports generally consist of well records, water levels and artesian pressures in wells, logs of wells and test holes, and chemical analyses of water samples collected during a detailed investigation or during a basic-records program. Pending publication of an interpretive companion report to be prepared cooperatively by the U.S. Geological Survey and the Utah State Engineer, much use of the basic data can be made by the public, water-well contractors, and consultants in planning water supplies.

Ted Arnow

District Geologist
U.S. Geological Survey
In charge of cooperative
ground-water investigations in Utah

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BASIC-DATA REPORT NO. 7

SELECTED HYDROLOGIC DATA

TOOELE VALLEY

TOOELE COUNTY, UTAH

By

Joseph S. Gates

Geologist, U.S. Geological Survey

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Prepared by

The United States Geological Survey

in cooperation with

The Utah State Engineer

Salt Lake City, Utah

1963

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Introduction

This report is intended to serve two purposes: (1) to make available to the public basic ground-water data useful in planning and studying development of water resources, and (2) to supplement an interpretive report that will be published later.

Records were collected during the period 1958-63 by the U.S. Geological Survey in cooperation with the Utah State Engineer as part of the investigation of ground-water conditions in Tooele Valley, Tooele County, Utah. Additional data, collected prior to this study, can be found in the reports listed in the bibliography, and in the Water-Supply Papers of the Geological Survey listed at the beginning of table 2. The interpretive material will be published in a companion report by Joseph S. Gates.

This report is most useful in predicting conditions likely to be found in areas that are being considered as well sites. The person considering the new well can spot the proposed site on plate 1 and examine the records of nearby wells as shown in the tables and figures. From table 1 he can note such things as depth, diameter, water level, yield, drawdown, use of water, temperature of water, and depth of perforations. By comparing the depth of perforations with the drillers' logs in table 3 he can note the type of material that yields water to the wells. Table 2 and figures 2, 3, and 4 show the historic fluctuations and trends of water levels in the vicinity. From table 4 he can note the chemical quality of the water from wells in the vicinity. Table 5 shows the amount of water discharged during 1962 from the pumped wells. If the reader decides from his examination that conditions are favorable, he can place an application to drill a well with the State Engineer. If the State Engineer believes unappropriated water is available, the application may be approved after minimum statutory requirements have been satisfied.

The report is also useful when planning large-scale developments of water supply. This and other uses of the report will be helped by use of the interpretive report upon its release.

Bibliography

Connor, J. G., Mitchell, C. G., and others, 1958, A compilation of chemical quality data for ground and surface waters in Utah: Utah State Engineer Tech. Pub. 10, 276 p.

Thomas, H. E., 1946, Ground water in Tooele Valley, Tooele County, Utah: Utah State Engineer Tech. Pub. 4, in Utah State Engineer 25th Bienn. Rept., p. 91-238.

Well-numbering system used in Utah

The well numbers used in this report indicate the well location by land subdivision according to a numbering system that was devised cooperatively by the Utah State Engineer and G. H. Taylor of the Geological Survey about 1935. The system is illustrated in figure 1. The complete well number comprises letters and numbers that designate consecutively the quadrant and township (shown together in parentheses by a capital letter designating the quadrant in relation to the base point of the Salt Lake base and meridian, and numbers designating the township and range); the number of the section; the quarter section (designated by a letter); the quarter of the quarter section; the quarter of the quarter-quarter section; and, finally, the particular well within the 10-acre tract (designated by a number). By this system the letters A, B, C, and D designate respectively the northeast, northwest, southwest, and southeast quadrants of the standard base and meridian system of the Bureau of Land Management, and the letters a, b, c, and d designate the northeast, northwest, southwest, and southeast quarters of the section, of the quarter section, and of the quarter-quarter section. Thus, the number (B-2-2)12dcd-2 designates well 2 in the SE¼SW¼SE¼ sec. 12, T. 2 N., R. 2 W., the letter B showing that the township is north of the Salt Lake base line and the range is west of the Salt Lake meridian; and the number (D-3-2)34bca-1 designates well 1 in the NE¼SW¼NW¼ sec. 34, T. 3 S., R. 2 E. Springs and sampling sites are also numbered using this system, but the designation number within a 10-acre tract is omitted.

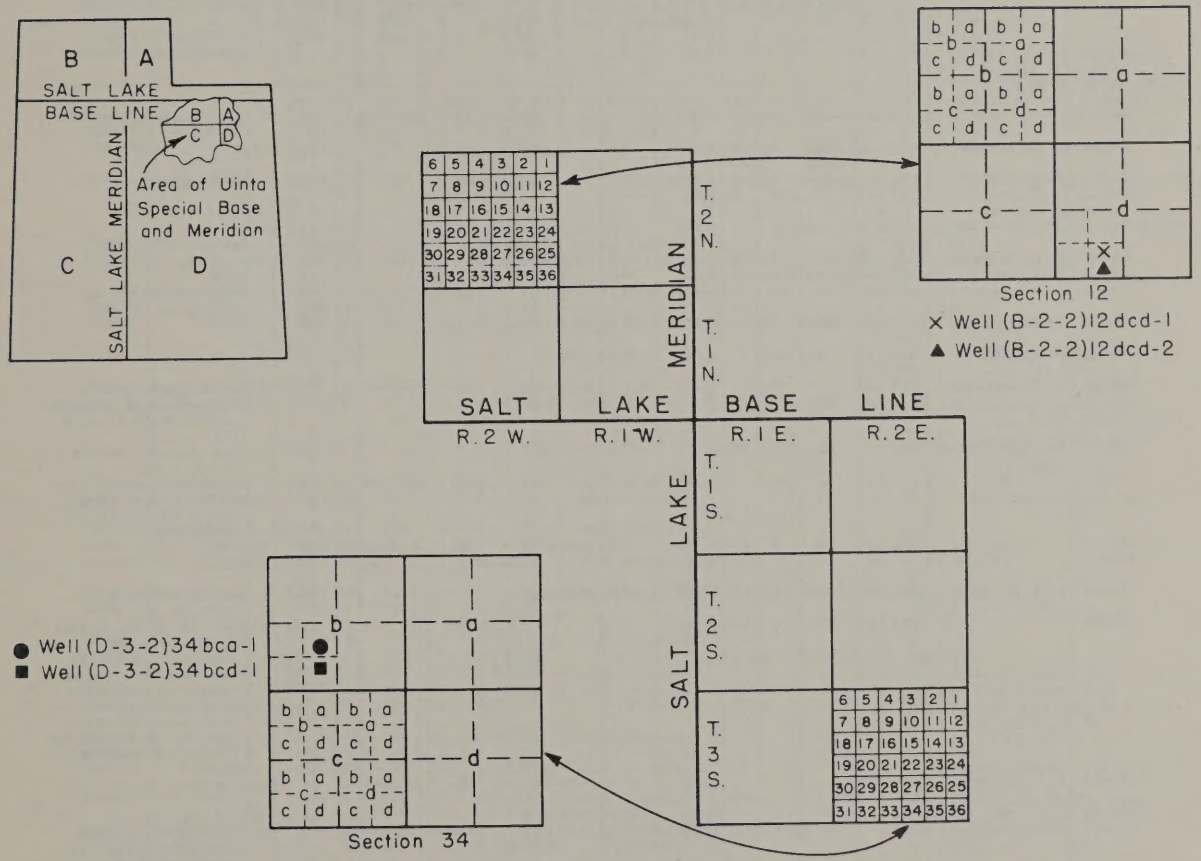

Figure 1. — Well-numbering system used in Utah.

Table 1.--Records of selected wells and springs in Tooele Valley

Well or spring number: See text for description of numbering system.
Type of well, or spring: Du, dug; JD, jetted or driven; P, percussion (cable tool); R, rotary; S, spring.
Depth of well: m, measured; r, reported by owner; otherwise from records of the Utah State Engineer.
Casing depth: S, known or assumed to be the same as the depth of the well.
Altitude of the land-surface datum: Surveyed altitudes (from U.S. Geological Survey or Utah State Engineer records) are given in feet and tenths; altitudes interpolated from topographic maps are given in feet.
Water level: Measured distances to water levels are given in feet and tenths; reported or estimated distances are given in feet.
Method of lift: C, centrifugal pump; F, flowing well; FC, flowing well equipped with centrifugal pump; FT, flowing well equipped with turbine pump; N, none; T, turbine pump; Ts, submersible turbine pump.
Yield (gpm, gallons per minute): F, natural flow; P, pumped yield; m, measured; r, reported; e, estimated.
Drawdown: The distance between the static and pumping water levels; m, measured; r, reported; e, estimated.
Use of water or well: D, domestic; In, industrial; Ir, irrigation; M, military supply; N, none, O, observation of water levels by automatic recording gage; P, public supply; S, stock.
Remarks and other data available in this report: C, chemical analysis (table 4); H, hydrograph (figs. 2, 3, 4); L, driller's log (table 3); P, pumpage in 1962 (table 5); Perf., casing perforated; W, water-level measurements (table 2). Question mark (?) used in perforation or casing information when extent of perforation or casing is unknown.

Well or spring number	Owner or user	Year drilled	Type of well, or spring	Depth of well (feet)	Casing		Altitude of land-surface datum (feet)	Water level		Method of lift	Yield		Drawdown (feet)	Use of water or well in 1962	Temperature (°F)	Remarks and other data available in this report
					Diameter (inches)	Depth (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement		Rate (gpm)	Date of measurement or report				
(C-1-4)26ddd-1	Leslie Salt Co.	1953	P	227	8	213	4,224	+10.9	3- 6-58	FT	120Pr	1962	17e	In	61	C, P.
34bab-1	do	1959	P	400	6	S	4,205	-	-	F	6Fr	10- 59	-	In	-	Water reported from 37 to 39 ft. C.
36bcb-1	C. H. Blackwelder	1916	JD	217	2½	S	4,236	+6.6	7- 5-62	F	-	-	-	N	59	W.
(C-1-6)22ddc-1	Solar Salt Co.	1959	P	630	6	S	4,210	-	-	FC	40Pr	-	-	In	61	Perf. 400-626 ft. L, P.
32dcb-1	do	1954	P	90	6	S	4,241	-	-	-	15Pr	-	-	In	-	P.
(C-2-4)1bcc-1	Mrs. R. W. Tracey	prior 1940	Du	50	48	-	4,290	-41.1	3- 6-62	-	-	-	-	D	-	W.
2aba-1	W. E. Hammond	1935	JD	232	3	S	4,238.8	+1.4	3- 6-62	FC	-	-	-	D	59	C, H (fig. 2), W.
2adc-1	Bert Davis	1896	Du	24m	48	-	4,263	-19.4	3- 6-62	-	-	-	-	D	-	C, W.
2baa-3	Calera Mining Co.	1958	P	452	10	451	4,237	+9.3	3-30-62	F	200Fr	7- 58	-	N	-	Perf. 329-336 ft. C, H (fig. 4), L, W.
2bdb-2	Eleanor Drury	prior 1935	JD	154m	2	-	4,239	+2.8	3-15-62	F	-	-	-	N	-	W.
2dba-1	Aliza Davis	prior 1935	Du	36	48	-	4,265	-21.3	3-28-62	-	-	-	-	D	-	C, W.
8cdc-1	J. J. Castagno	1954	JD	345	3	-	4,229	+11.0	3-30-62	F	6Fm	10-25-61	-	S	57	Two different records indicate depth of casing as 290 or 315 ft. C, H (fig. 4), W.
9cda-1	Kennecott Copper Corp.	1962	P	687	12	668	4,235	+20.8	3-25-63	F	-	-	-	In	86	Perf. 536-562, 592-666 ft. C, L, W.
10bca	do	-	S	-	-	-	4,238	-	-	-	1,140Fr	10- 56	-	In	-	Sampled on the east side of the pond at a small spring that supplies a house. C.
10bcd-1	do	1954	JD	133	3	132	4,250	-9.8	3-30-62	C	6Pm	9- 6-62	.9m	D	62	C, W.
15cac	do	-	S	-	-	-	4,260	-	-	-	2,600Fr	5- 63	-	In, Ir	64	C.
15ccc-1	S. W. Clark	1955	P	180	16	155	4,293	-26.8	3-30-62	T	-	-	-	N	-	Perf. 62-95 ft. H (fig. 4), W.
15cdc-1	do	1955	P	305	10	129	4,320	-	-	T	1,200Pr	6- 56	12r	Ir	61	Perf. 48-129 ft. Drilled to 305 ft in 1955, abandoned, casing removed and well plugged because of salty water. In 1956, 129 ft. of 10-inch casing installed and lower 10 ft cemented to shut off salty water. C, L.
17dad-1	E. J. Jeremy	prior 1935	JD	-	-	-	4,260	+22.3	3-26-59	F	6Fm	3-14-63	-	S	62	C, H (fig. 2), W.
17dcd-1	do	1900	JD	-	2	-	4,255	+20.6	3-30-62	F	-	-	-	S	58	C, H (fig. 4), W.
19bdd-1	Pierre Castagno	1939	-	-	6	-	4,254	+7.3	3-13-62	F	8Fm	3-21-63	-	S	55	Two different records indicate depth of well as 380 or 450 ft. W.
19dbb-1	Cecil Lang	prior 1890	JD	100	2	S	4,262.9	+6.1	3-30-61	F	-	-	-	S	54	C, W.
20ddc-1	Romulus DeLaMare	1914	JD	-	2	-	4,290	+14.3	3-15-62	F	.4Fm	10-18-61	-	S	52	Depth of well reported between 120 and 170 ft. C, W.
21add-1	LeGrand Gordon	1958	P	90	12	S	4,308	-40.7	3- 6-62	T	810Pm	9-19-61	-	Ir	56	Perf. 53-? ft. C, P, W.
22ccb-4	E. S. Vorwaller	1948	P	96	8	S	4,335	-54.8	3- 6-62	T	440Pm	6-19-62	-	Ir	55	Perf. 39-46, 60-64, 70-96 ft. C, P, W.
27ccb-1	R. W. Coon	1920	JD	165	3	S	4,370	-3.2	3- 6-62	N	-	-	-	N	-	W.
27ddd-1	Dellis Weyland	1961	P	270	6	242	4,436	-64	12- 61	-	-	-	-	D	-	Perf. 222-242 ft. C.
28aab-1	H. J. Clegg	1961	P	173	16	S	4,325	-53.4	3-28-62	T	270Pm	7- 5-62	22m	Ir, S	55	Perf. 85-92, 140-168 ft. C, P, W.
28aac-1	do	1961	P	185	16	182	4,337	-57.5	3- 7-62	T	1,000Pm 590Pm	4-11-62 7- 62	30e	Ir	56	Perf. 100-175 ft. 4-11-62 measurement; well discharging through open pipe; 7-62 measurement: well discharging through sprinkler system. C, L, P, W.
28acd-3	E. S. Vorwaller	1931	JD	190	3	S	4,338.4	+15.4	3-28-62	F	15Fm	5-23-63	-	Ir, S	55	C, H (fig. 4), W.

Table 1.--Records of selected wells and springs in Tooele Valley - Continued

Well or spring number	Owner or user	Year drilled	Type of well, or spring	Depth of well (feet)	Casing		Altitude of land-surface datum (feet)	Water level		Method of lift	Yield		Drawdown (feet)	Use of water or well in 1962	Temperature (°F)	Remarks and other data available in this report
					Diameter (inches)	Depth (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement		Rate (gpm)	Date of measurement or report				
(C-2-4)28bdd-2	J. S. Warr	1906	JD	-	2	-	4,326	+6.0	3-28-62	F	-	-	-	S	-	W.
28cbc-1	K. J. Warr	1951 1952	JD	150	4	147	4,326	+10.6	3- 6-62	FC	10.4Fm	9-28-61	-	Ir, S	55	Drilled to 108 ft in 1951; deepened to 150 ft in 1952. W.
28daa-1	Allen Warr	1921	JD	205	4	S	4,354	-	-	FC	200Pr	-	-	Ir	-	P.
28dab-1	do	1920	JD	178	4	S	4,347	-	-	FC	130Pr	-	-	Ir	56	P.
28dad-1	Albert Weyland	1920	JD	168	4	S	4,355	-	-	F	44Fm	5-23-63	-	Ir	-	
28dba-3	H. J. Clegg	1934	JD	165	3	S	4,343.2	+17.0	3-14-62	F	50Fm	5-23-63	-	S, Ir	54	
28dbd-5	Albert Weyland	1916	JD	154	2	S	4,343.6	+17.6	3- 6-62	F	-	-	-	D	58	W.
28dcb-1	LeGrand Gordon	1921	JD	187	4	S	4,340	-	-	F	100Fe	8-26-63	-	Ir, S	57	
28dcb-7?	C. E. Russell	-	JD	-	3	-	4,342	-	-	FC	120Pr	-	-	Ir	-	P.
29adc-1	Franklin Whitehouse	1949	JD	150	2	S	4,307	+8.6	3-15-62	F	1.4Fm	9-28-61	-	S	54	W.
29bcd-1	J. W. Whitehouse	1900	JD	300	2	S	4,298	+5.6	3-14-62	F	3.4Fm	3-21-63	-	S	55	C, W.
29ddc-6	F. M. Hawker	1906	JD	210	2	S	4,328	+11.1	3- 6-62	F	-	-	-	S	55	W.
30ccb-1	J. B. Cahoon	1912	JD	224r	2	S	4,293	+4.9	3-14-62	F	1.2Fm	3-21-63	-	S	57	C, W.
30cdd-1	do	1912	JD	228	2	S	4,308	+11.5	3-14-62	F	-	-	-	S	57	C, W.
31aad-1	Ella Walters	1903	JD	206	2	S	4,327	-	-	F	-	-	-	S	57	C.
31acc-9	Rose Castagno	-	JD	-	2	-	4,337	-	-	F	-	-	-	N	63	Well drilled sometime between 1910 and 1912 to depth of 180 to 200 ft. C.
31ada-1	Ella Walters	1899	JD	200r	2	S	4,339	+8.4	3-30-62	F	15Fm	1-16-62	-	D,S	60	C, W.
31add-2	do	1923	-	202	6	S	4,350	+7.9	3-28-61	F	-	-	-	Ir	60	C, W.
31add-6	do	1961	P	271	10	S	4,350	-	-	FT	660Pm 120Fe	6- 5-62 1962	-	Ir	61	Perf. 183-268 ft. P.
31bcb-1	Frank Hickman	1954	P	343	6	S	4,320	+19.3	3-30-62	F	80Fe	6- 5-62	-	Ir, S	63	Perf. 290-308, 318-334 ft in 1954; perf. 175-180, 245-265 ft in 1961. C, W.
31bdc-2	Rose Castagno	1956	JD	260	3	S	4,333	+14.8	3-20-62	F	-	-	-	D	63	C.
31bdc-3	do	1961	P	352	12	S	4,332	-	-	FT	1,200Pm 200Fe	6- 5-62 3-19-62	-	Ir	65	Perf. 243-351 ft. P.
31caa-2	Ella Walters	1919	JD	183	4	S	4,342	+5.9	3-28-62	F	-	-	-	N	-	W.
31caa-5	do	1908	JD	172	2	S	4,342	-	-	F	-	-	-	N	62	C.
31cda-2	do	1960	P	500	12, 10	S	4,359	-5.8	3-13-62	T	1,080Pm	9- 7-62	70e	Ir	61	Casing: 12-inch from 0 to 250 ft, 10-inch from 250 to 500 ft; perf. 185-? ft. L, P.
31dac-3	H. C. Dillard	1929	P	174	8	S	4,362	-	-	N	-	-	-	N	61	Perf. 154-174 ft. C.
31dad-2	H. C. and Lettie Dillard	1941	P	727	8	480	4,368.5	+0.4	3-28-62	N	300Pm 160Fm	1941 1941	10.5m	N	62	Discharge point above water level, March 1962. Casing: plugged at 450 ft; perf. 288-316 ft. C, H (fig. 2), W.
31dbc-1	Letren Turner	1916	JD	221r	3	S	4,358	-5.0	3-28-62	N	-	-	-	N	-	W.
31dbd-2	W. A. Lauritzen	1916	JD	183	3	S	4,359	+2.7	4-18-58	N	-	-	-	N	59	Not flowing March 1962. C.
31dca-1	Howard Whitehouse	1928	P	214	8	S	4,365.9	-3.8	3-28-62	N	-	-	-	N	-	W.
32abc-1	G. L. England	1917	JD	272	3	S	4,346	-	-	F	-	-	-	S	58	C.
32bcd-1	Rose Castagno	1908	JD	200	2	S	4,357	+6.9	3- 6-62	F	-	-	-	S, Ir	59	W.
32bdd-1	Clayton Warr	1919	JD	213	4	S	4,362	+10.2	3-13-58	FC	48Pm	9-27-61	-	Ir	58	C.
32bdd-3	do	1962	R	310	8	S	4,364	-	-	FC	-	-	-	Ir, D	-	Perf. 230-310 ft. P.
32caa-2	Rose Castagno	1913	JD	356r	3	S	4,361.5	+4.5	3-28-62	F	-	-	-	N	57	W.
32caa-5	do	1923	P	195	8	S	4,362	-	-	FT	450Pm	6-13-62	-	Ir	58	P.
32cac-1	Russell Boyce	1962	P	500	12	S	4,380	-12.9	9-11-62	T	-	-	3m	Ir	61	Perf. 350-500 ft. P.
32cad-1	do	1959	P	400r	6	S	4,392	-22.9	3- 6-62	T	50Pm	9- 7-61	9m	Ir	61	Unperforated. P, W.
33aab-1	J. E. England	1959	P	403	16	400	4,382	-9.0	3-31-62	T	1,760Pm	7-28-62	-	Ir	61	Perf. 305-? ft. C, H (fig. 4), P, W.
33aac-1	H. J. Clegg	1918	JD	182	4	S	4,384	-13.4	3-31-62	N	-	-	-	O	-	H (fig. 4), W.
33abb-3	P. H. Shields	1921	JD	323	3	S	4,357	+8.6	3- 6-62	F	-	-	-	S	56	W.
33abb-4	J. E. England	1880	JD	80	1½	S	4,362.3	+3.5	3- 6-62	FC	-	-	-	D	55	Perf. 60-80 ft. H (fig. 2), W.
33add-1	H. J. Clegg	1931	P	165	8	160	4,419.9	-47.1	3-28-62	T	575Pm	7-11-62	-	Ir	56	Perf. 60-100 ft. C, H (fig. 2), P, W.
33bbb-1	Frank Grgich	1918	JD	277	4	S	4,347	+22.1	3-28-61	FC	100Pm	9-26-62	-	Ir	57	C, W.
33bcb-1	Franklin Whitehouse	1934	JD	283	4	S	4,373.8	- .5	3-28-62	N	-	-	-	N	57	C, W.
33bcb-2	do	1910	JD	80	2	S	4,374.4	-7.7	3-28-62	N	-	-	-	N	-	W.
33bdd-1	Howard Whitehouse	1959	P	421	12	S	4,395	-18.9	3- 59	T	720Pm	6-14-62	-	Ir	59	Perf. 300-? ft. L, P.
33dac-1	E. L. Coon	1924	-	140	6	S	4,437.7	-65.4	3-28-62	T	175Pr	7- 62	-	Ir	56	P, W.
34bdd-1	W. H. Sagers	1949	P	215	6	S	4,443	-71.2	3-19-62	T	200Pm	7- 5-62	-	Ir	56	Perf. 100-? ft. P, W.
34bdd-2	do	1961	P	254	12	S	4,443	-71.1	3-22-62	N	-	-	-	N	-	Perf. 98-100, 112-151, 180-201, 208-238, 240-248 ft.
35cbb-1	J. R. Droubay	1929	P	178	8	S	4,480	-106.8	3-30-62	N	-	-	-	N	-	Perf. 78-178 ft. W.
35cbc-1	do	1952	P	304	16	S	4,492	-	-	T	1,280Pm	6- 6-62	-	Ir	58	Perf. 200-220, 265-304 ft. C, L, P.
(C-2-5)5acc-3	A. Searle	prior 1935	JD	153m	3	-	4,215	-1.2	3-15-62	N	-	-	-	N	-	H (fig. 3), W.
5ccc-2	-	-	JD	-	2	-	4,219	-	-	F	-	-	-	S	62	C.
5dcd-4	G. S. Higley	1955	JD	417	3	S	4,216	+2.4	3-13-62	F	-	-	-	S	60	C, W.

Table 1.--Records of selected wells and springs in Tooele Valley - Continued

Well or spring number	Owner or user	Year drilled	Type of well, or spring	Depth of well (feet)	Casing		Altitude of land-surface datum (feet)	Water level		Method of lift	Yield		Drawdown (feet)	Use of water or well in 1962	Temperature (°F)	Remarks and other data available in this report
					Diameter (inches)	Depth (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement		Rate (gpm)	Date of measurement or report				
(C-2-5)6ddd-7	L. Peasnal	1928	JD	360	2	S	4,219.5	+1.4	3-30-62	F	1.9Fm	3-18-63	-	S	62	C, W.
7bdd-1	J. R. Clark	1910	JD	300	2	S	4,223.2	+3.8	3- 8-62	F	1.6Fm	3-13-63	-	S	58	C, W.
7ddc-3	A. B. Cole	1928	JD	480	3	S	4,225.8	+1.9	3-15-62	F	.7Fm	3-13-63	-	S	58	W.
7ddd-2	A. B. Cole, Jr.	1952	P	400	6	S	4,225	-	-	FT	90Pe	10-12-61	-	Ir	59	Perf. 360-385 ft. C.
13acc-1	Ed Cassity	1891	JD	280	2	S	4,223	+4.7	4- 5-62	F	-	-	-	S	56	W.
13bca-1	do	1955	-	3,540	-	767	4,216	+21.5	5- 5-61	F	-	-	-	S	73	Oil test. 10-inch casing at land surface. C.
14adc-1	do	1891	JD	80	1½	S	4,218	+18.9	4- 5-62	F	1.4Fm	3-22-63	-	S	57	
14dba-1	do	1891	JD	300	1½	S	4,223	+11.2	3-12-58	F	-	-	-	S	-	C.
14dbb-1	do	1891	JD	300	2	S	4,221	+15.7	4- 5-62	F	7.9Fm	3-22-63	-	S	56	C, W.
15dbd-1	J. J. Castagno	1954	JD	243	3	240	4,222	+33.3	7-23-63	F	30Fm	10-10-62	-	S	58	C.
16baa-1	C. H. Worthington	1948	JD	400	3	-	4,214	+5.3	10- 5-61	F	2Fm	9-11-62	-	S	57	C.
17bad-1	Clinton Higley	1954	JD	165	3	S	4,225	+8.6	4- 5-62	F	-	-	-	S	56	W.
17bcc-1	do	1954	JD	356	3	S	4,227	+9.9	3-30-62	F	8.5Fm	10-24-61	-	Ir	59	C, H (fig. 4), W.
17bcd-3	do	1961	P	435	16	S	4,226	-	-	F	120Fm	6-20-62	-	Ir	-	Perf. 371-384, 423-426 ft. L.
17bda-1	Alex Johnson	1912	JD	100	2	S	4,224	+14.1	4- 5-62	F	12.4Fm	3-22-63	-	S	55	W.
18bdc-1	Quentin Brown	1952	JD	425	2	S	4,228	+2.9	3- 8-62	F	-	-	-	S	-	W.
18dcc-1	E. M. Clark	1910	JD	300	2	S	4,230	+2.7	3- 8-62	F	-	-	-	S	60	W.
19abc-1	J. M. Worthington	1900	JD	200	2	S	4,232	+5.4	3- 8-62	F	-	-	-	S	57	W.
19dcc-1	M. A. Sutton	1936 1959	JD	350	3	S	4,242	+17.9	3-13-62	FC	9.6Fm	10- 9-62	-	D	58	Deepened in 1959 from 289 to 350 ft. C, W.
20acc-1	P. E. Wrathall	1947	JD	240	2	S	4,236	+9.9	4- 5-62	F	1.8Fm	10- 9-62	-	S	56	C, W.
21aad-1	Ed Cassity	1954	P	230	6	S	4,227	+33	3-22-63	F	280Fe	6-20-62	-	Ir, S	-	Perf. 210-230 ft. C.
21cbb-1	J. J. Castagno	1952	P	165	6	S	4,240	+19.3	3-21-63	F	130Fe	10-12-62	-	Ir, S	56	C.
23cca-1	Ed Cassity	1891	JD	80	2	S	4,245	+14.0	3-22-62	F	13.2Fm	3-22-63	-	S	58	W.
23cdc-2	do	1953	P	158	6	S	4,251	+8.7	3-22-62	F	75Fm	6-20-62	-	Ir, S	57	Perf. 138-158 ft. C, W.
25aab-1	J. H. Palmer	prior 1935	JD	-	2	-	4,267	+4.3	3-22-62	F	-	-	-	S	-	W.
25aab-2	do	1961	JD	202	2	S	4,267	+5.5	3-22-62	F	15Fr	7-18-61	-	S	56	C, W.
25cdd-1	Rose Castagno	1900	JD	225	2	S	4,292	-0.1	3-14-62	N	-	-	-	N	55	C.
25cdd-4	do	1958	JD	467	2	S	4,292	+11.4	3-14-62	F	-	-	-	S	58	C, W.
25ddd-1	do	1908	JD	160	2	S	4,299	+4.5	3- 6-62	F	-	-	-	S	57	C, W.
26bdb-1	Ed Cassity	1954	P	150	14	146	4,256	-	-	FT	130Fe	6-20-62	-	Ir, S	59	Perf. 134-? ft.
26cdc	Kennecott Copper Corp.	-	S	-	-	-	4,269	-	-	-	1,500Fm	8-28-63	-	In	-	Measured at Kennecott diversion, (C-2-5) 26bad. C.
27add-1	Ed Cassity	1955	P	355	12	S	4,262	-	-	F	150Fe	6-20-62	-	Ir, S	64	Perf. 313-322, 334-346 ft. L.
27ccc-1	do	1934	P	170	6	S	4,271	-2.6	3-29-62	N	-	-	-	N	-	H (fig. 4), W.
27ccd-3	do	1909	JD	200	2	S	4,272	-5.0	3-29-61	N	-	-	-	N	-	H (fig. 3), W.
28bbd-1	Clinton Higley	1950	P	94	6	S	4,252	-	-	F	145Fe	7-12-62	-	Ir	58	
28bca-1	do	1961	P	335	16	S	4,252	-	-	F	900Fe	5-18-62	-	Ir	60	Perf. 89-94, 149-158, 320-322 ft. C, L.
28dcc-3	K. C. Fawson	1926	JD	100	3	S	4,268	-0.3	3-14-62	N	-	-	-	N	-	W.
29adc-2	Clinton Higley	1951	JD	290	4	S	4,255	+4.4	4- 5-62	F	10.3Fm	6-20-62	-	Ir	59	C, W.
29add-3	do	1950	P	138	6	S	4,256	+5.8	4- 6-61	F	150Fe	10- 4-61	-	Ir	57	
29dcd-5	J. R. Clark	1936	JD	340	3	S	4,266	+19.5	4- 6-61	F	-	-	-	Ir, S	58	W.
30abc-1	A. D. Stromberg	prior 1935	JD	-	2	-	4,243	+9.6	3-13-62	F	-	-	-	S	-	W.
30bcd-1	Mrs. J. L. Brown	prior 1910	JD	225	2	S	4,255	+3.2	3- 8-62	F	-	-	-	S	-	W.
30cbc-1	L. M. Matthews	1904	JD	140	2	S	4,262	+11.2	3-25-59	F	-	-	-	S	53	W.
30cbd-1	Emma Judd	prior 1935	JD	-	2	-	4,261	+4.3	3-13-62	F	-	-	-	S	-	W.
30ccc-1	G. M. Rydalch	1947	JD	175	2	S	4,268	+9.7	3-13-62	F	4.8Fm	10-25-63	-	S	55	W.
30daa-1	Ed Cassity	prior 1935	JD	-	2	-	4,254	+3.2	3- 8-62	F	2.1Fm	3-21-63	-	S	57	W.
30dcc-1	Quentin Brown	1954	P	510	10	S	4,267	-	-	FT	400Pe 200Fe	7- 6-62 8-22-62	-	Ir	57	Perf. 166-510 ft. C, L, P.
30ddd-1	J. D. Brown	prior 1900	JD	150	2	S	4,265	+1.2	3-15-62	F	-	-	-	S	-	W.
31aaa-1	G. N. Anderson	prior 1935	JD	-	2	-	4,270	+6.8	3-15-62	F	-	-	-	S	57	W.
31abc-1	C. A. Sample	1874	JD	450	3	S	4,278	-1.6	3- 7-62	C	-	-	-	D	-	W.
31bbd-3	Ed Cassity	1926	JD	125	3	S	4,280.6	+6.3	3- 7-62	F	-	-	-	D	56	C, H (fig. 3), W.
31bdd-3	J. C. Brown	1890	JD	100	2	S	4,294	-8.6	3-28-62	N	-	-	-	N	-	W.
31dad-3	F. C. Jeffries	1922	JD	234	2	S	4,294.5	-6.0	3-28-62	N	-	-	-	N	-	H (fig. 4), W.
31dba-4	R. J. Dickerson	1895	JD	240	2	S	4,293	-6.2	3- 7-62	N	-	-	-	N	-	W.
32abc-3	G. W. Williams	1957	JD	309	2	S	4,275	+7.4	3- 7-62	F	-	-	-	S	54	C, W.
32cab-3	P. P. Matthews	1900	JD	300	2	S	4,291	+0.1	3- 7-62	N	-	-	-	N	-	Discharge point above water level March 1962. W.
32daa-1	A. J. Fraser	1920	JD	300	2	S	4,288.6	-0.7	3- 7-62	N	-	-	-	N	-	W.
32daa-13	J. M. Fraser	1954	P	410	8	S	4,288	-	-	C	200Pe	6-19-62	-	Ir	60	P.
32dad-1	V. P. Fawson and J. M. Fraser	1927	-	510	4	S	4,293	-2.7	3-29-62	N	-	-	-	N	-	W.
32dba-2	Vanus Anderson	1890	JD	300	2	-	4,287	+2.1	3- 7-62	F	-	-	-	Ir	-	Well cleaned 1955, depth casing 270 ft. W.

Table 1.--Records of selected wells and springs in Tooele Valley - Continued

Well or spring number	Owner or user	Year drilled	Type of well, or spring	Depth of well (feet)	Casing		Altitude of land-surface datum (feet)	Water level		Method of lift	Yield		Drawdown (feet)	Use of water or well in 1962	Temperature (°F)	Remarks and other data available in this report
					Diameter (inches)	Depth (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement		Rate (gpm)	Date of measurement or report				
(C-2-5)33add	Max Johnson, I. W. Page, S. H. and C. H. Worthington, J. K. and Maurice Brown, J. J. Castagno	-	S	-	-	-	4,275	-	-	-	1,500Fm 1,800Fm	10-12-62 1-30-63	-	Ir, S	-	Measured at diversion into ditch, (C-2-5) 28bdb. C.
33bcb-3	Charlotte Fawson	1920	JD	260	3	S	4,277	+9.9	3-13-62	F	15Fm	3-14-63	-	S	58	C, W.
33bdc-1	J. A. Fawson	1900	JD	340	2	S	4,286	-4.4	3-28-62	N	-	-	-	N	-	W.
33cba-2	do	1919	JD	290	3	S	4,289	0.0	3- 7-62	N	-	-	-	N	58	W.
33dad-3	J. C. Palmer	1953	P	400	6	371	4,301	-23.2	3- 7-62	T	200Pe	6- 7-62	10.3m	Ir	67	Perf. 358-368 ft. C, L, P.
33dba-1	L. A. Bolinder	1925	P	525	10, 6	S	4,286	-18.8	4-19-61	C	200Pe	6-19-62	9.3m	Ir, D	63	Casing: 10-inch from 0 to 135 ft and 6-inch from ? to 525 ft; perf. 95-135, 505-525 ft. P.
33dbb-2	Ray Fawson	1925	JD	265	4	S	4,285	+1.6	3- 7-62	FC	-	-	-	S	65	W.
33dcd-1	Theron McMichael	1954	P	285	12	S	4,310	-17.4	3- 8-62	C	535Pm	6- 7-62	-	Ir	66	Perf. 50-65, 96-102, 193-197, 249-252, 257-260, 268-270 ft. C, P, W.
34abc-1	H. W. Hodson	1925	JD	320	4	S	4,290	-2.2	3- 7-62	N	-	-	-	N	-	W.
34add-1	Nick Pantos	1941	JD	440	2	S	4,299	+5.3	3-23-59	N	-	-	-	N	64	Well cleaned September 1959, has not flowed since. C, W.
34bca-1	Neldo Lemmon	1921	JD	300	4	S	4,291	-2.1	3- 7-62	N	-	-	-	N	-	W.
34bca-3	do	1958	P	320	8	S	4,291	-	-	T	200Pe	6-12-62	-	Ir	73	Perf. 171-? ft. C, P.
34cbc-1	Maynard Mortenson	1923 1952	JD	380	4	S	4,300	-	-	-	-	-	-	Ir	70	Drilled to 350 ft in 1923, and deepened to 380 ft in 1952. C.
35add-1	H. G. Langford	1960 1961	P	513	12	S	4,308	-29.9	3- 6-62	-	-	-	-	D, Ir	-	Drilled to 270 ft in 1960, and deepened to 513 ft in 1961. Perf. 100-510 ft. C, L, P, W.
35add-2	S. A. Langford	1958	JD	145	2	S	4,308	-17	3- 58	-	30Pr	3-23-58	-	D, Ir	63	C.
35cbd-1	Grantsville Soil Conservation District	1931	JD	400	4	S	4,308	-1.2	3- 6-62	F	-	-	-	S	66	Discharge point below the water level March 1962. W.
36acd-1	J. H. Palmer	prior 1935	JD	115m	4	S	4,320	-32.8	3-28-62	N	-	-	-	N	-	W.
36adc-1	do	1959	P	442	12	S	4,326	+14.6	4-24-59	FT	950Pm 300Fr	6-12-62 3- 2-59	-	Ir, S	65	Perf. 300-442 ft. C, P.
36add-2	do	1913	JD	310	2	S	4,327	-	-	-	-	-	-	D	62	Probably will flow. C.
36bdd-1	Tony Castagno	1954	P	445	16	S	4,316	+21.8	3-23-59	FT	500Pe 200Fe	6-14-62 1962	-	Ir, S,D	64	Perf. 418-445 ft. C, L, P.
36dad-1	R. J. Nelson	1920	JD	259	2	S	4,339	+1.1	3- 7-62	F	-	-	-	S	60	C, W.
36dcd-1	J. A. Smith	1955	P	325	12	S	4,358	-45.5	3-14-62	T	1,250Pm	6-12-62	-	Ir, S	66	Perf. 125-? ft. C, P, W.
(C-2-6)14add-1	-	1947	P	3,200	8	20	4,232	-	-	F	-	-	-	N	-	Oil test. All data reported by local resident. C.
14ddd-1	C. H. Worthington	1947	P	434	6	S	4,238	+27.7	3-15-62	FC	100Fe	6-20-62	-	Ir, S	65	Perf. 316-434 ft. C, L, W.
22dbd-1	Utah Lime and Stone Co.	1959	P	147	10	139	4,350	-76.9	2-20-60	T	100Pr	12- 59	-	In	66	C, P.
23cbb-1	J. R. Worthington	1935	P	210	6	S	4,273	-8.2	3-13-63	T	300Pe	8-22-62	13m	Ir	68	C, P, W.
23cbb-2	do	1959	P	95	6	S	4,290	-22	12- 59	-	-	-	-	D	62	Perf. 87-95 ft. C.
23cdc-2	Barnard Castagno	1961	P	400	14	397	4,295	-24.5	3- 8-62	T	1,460Pm	9-14-62	-	Ir	61	Perf. 90-395 ft. C, L, P, W.
23ddc-1	do	1959	P	240	12	S	4,251	-	-	F	1,400Pr 400Fe	11- 59 7-12-62	45r	Ir, S	56	Perf. 94-104, 173-180, 185-196, 201-217, 220-238 ft. C.
24add-1	M. A. Eliason	prior 1900	JD	-	2	-	4,233	+11.2	3-15-62	F	1.4Fm	3-14-63	-	S	56	W.
24cbb-2	C. H. Worthington	1898	JD	-	2	-	4,242	+13.7	3-15-62	F	-	-	-	S	54	C, W.
25abd-1	A. M. Anderson	1903	JD	-	2	-	4,250	+6.9	3- 8-62	F	-	-	-	S	52	H (fig. 4), W.
25acd-4	Hyrum Sutton	1915	JD	190	3	S	4,260	+11.4	3-13-62	F	4.1Fm	3-14-63	-	S	56	Probably mistakenly listed as acd-2 in State Engineer's records. W.
25bcb-1	R. C. Jeffries	1911	JD	125	2	S	4,256	+4.0	3- 8-62	F	-	-	-	S	54	W.
25cdc-3	J. R. Clark	1935	P	112	6	S	4,280	+3.0	3-14-62	FC	-	-	-	Ir, S	-	W.
26adb-1	J. L. Worthington	1905	JD	160	2	S	4,266	+6.8	3- 8-62	F	1.3Fm	3-21-63	-	S	55	W.
26dac-1	do	1960	P	246	12	S	4,320	-34.9	1-30-60	T	970Pm	9-28-62	-	Ir	55	Perf. 80-240 ft. P.
36abd-1	A. J. Matthews	1885	JD	-	2	-	4,299	-4.9	3- 7-62	N	-	-	-	N	-	Well depth between 75 and 125 ft, reported by local resident. W.
36acc-2	Grantsville City	1957	P	465	12	S	4,332	-45	3- 7-62	T	750Pr	9- 61	-	P	57	Perf. 300-465 ft. C, L, P, W.
36baa-8	J. R. Clark	1935	JD	118	3	85	4,286	-2.8	3-14-62	N	-	-	-	N	-	W.
36baa-10	P. E. Wrathall	1954	P	202	6	S	4,285	-	-	T	200Pe	7-17-62	-	Ir	56	Perf. 180-202 ft. P.
36baa-12	do	1957	P	257	6	S	4,284	-	-	T	200Pe	7-17-62	-	Ir	55	Perf. 125-257 ft. P.
36bac-1	J. R. Clark	1936	P	300	6	S	4,321.5	-31.6	3-28-62	N	-	-	-	N	-	H (fig. 3), W.
36bbb-1	J. D. Johnson	1953	P	141	8	S	4,328	-	-	T	400Pe	8- 62	-	Ir, S	55	Perf. 110-141 ft. P.

Table 1.--Records of selected wells and springs in Tooele Valley - Continued

Well or spring number	Owner or user	Year drilled	Type of well, or spring	Depth of well (feet)	Casing		Altitude of land-surface datum (feet)	Water level		Method of lift	Yield		Drawdown (feet)	Use of water or well in 1962	Temperature (°F)	Remarks and other data available in this report
					Diameter (inches)	Depth (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement		Rate (gpm)	Date of measurement or report				
(C-2-6)36dcc-1	E. C. Walk	1934	P	176	6	166	4,379	-90.5	3-31-62	N	-	-	-	O	-	Formerly listed as (C-2-6)36cdd-1. Perf. 76-166 ft. H (fig. 3), W.
(C-3-3)20baa-1	International Smelting and Refining Co.	1936	P	130	8	S	-	-	-	T	122r	1963	-	In	-	Perf. 30-130 ft. P.
20baa-2	do	1946	P	285	12	254	-	-	-	T	164r	1963	-	In	-	Casing plugged at 251 ft. Perf. 80-90, 168-190, 241-252 ft. P.
20bab-1	do	1936	P	200	10	S	-	-	-	T	319r	1963	-	In	-	Perf. 70-200 ft. P.
20bba-1	do	1962	P	212	8	S	-	-	-	Ts	157r	1963	-	In	-	Perf. 176-204 ft. P.
(C-3-4)28cdc-1	Tooele City	1946	P	452	12	S	5,077	-348.9	3-25-63	T	-	-	-	P	-	Perf. 390-452 ft. P, W.
29cba-1	do	1962	P	586	20	S	4,927	-406	1- 62	Ts	980Pm	6- 5-63	-	P	-	Perf. 430-580 ft. L.
30aac-1	Tooele Army Depot	1942	P	515	20	496	4,857.6	-389.8	6- 5-63	T	630Pm	6-20-63	6.5r	M	-	Perf. 390-480 ft. C, P.
31bba-1	do	1953	P	701	16	700	4,831.5	-361.1	6-25-63	Ts	470Pr	1963	4r	M	-	Perf. 425-700 ft. C, P.
32bbc-1	Tooele City	1954	P	720	16	S	4,952	-	-	T	725Pm	9-11-62	-	P	-	Perf. 480-717 ft. C, P.
32bcc-1	do	1956	P	710	18	S	4,977	-	-	Ts	325Pm	10-17-62	-	P	71	Perf. 472-710 ft. C, P.
35aba-3	do	1953	P	53	6	S	5,375	-	-	T	-	-	-	P	51	C, P.
(C-3-5)4bbb-2	V. P. Fawson	1957	P	410	12	407	4,308	-17.2	3- 7-62	T	1,300Pm	6-20-62	45.5m	Ir	60	Perf. 195-406 ft. C, H (fig. 4), P, W.
5aba-1	L. R. Johnson	1953	P	412	10	S	4,304	-12.8	3- 6-62	T	250Pe	9- 7-61	-	Ir	57	Perf. 117-124, 170-210, 245-275, 355-370, 385-405 ft. C, P, W.
5ada-1	J. W. Boyer	1953	P	350	6	345	4,318	-26.5	3- 6-62	T	280Pm	9- 8-61	-	Ir, S	58	Drilled to 230 ft in 1952, to 350 ft in 1953. Perf. 234-280, 333-345 ft. P, W.
7abc-1	P. P. Matthews	1954	P	390	16	S	4,436	-143	3- 7-62	T	1,540Pm	7- 6-62	21m	Ir	54	Perf. 150-390 ft. C, P, W.
7dcc-1	J. A. Millyard	1956	P	395	16	289	4,508	-212	3- 7-62	T	1,540Pm	6-14-62	19m	Ir	57	Perf. 205-? ft. C, L, P, W.
36ddd-1	Tooele Army Depot	1942	P	763	20	752	4,848.1	-385.0	6-20-63	T	490Pr	1963	6r	M	-	Perf. 392-400, 406-423, 434-470, 475-502, 510-520, 573-604, 630-645, 700-743 ft. C, P.
(C-3-6)1bdb-1	North Willow Irrigation Co.	1954	P	418	16	S	4,454	-164.8	3- 6-62	T	1,630Pm	4- 3-62	40m	Ir	57	Perf. 238-300, 321-413 ft. C, P, W.
1cbd-1	Grantsville City	1953	P	305	12	S	4,493	-197	4- 4-62	T	390Pm	8-28-62	12m	P	55	Perf. 195-300 ft. C, P, W.
36aac-1	Tooele Army Depot	1955	P	780	12, 10	S	5,015	-627	4- 59	Ts	34Pr	1962	5r	M	-	Casing: 12-inch from 0 to 700 ft, and 10-inch from 700 to 780 ft; perf. 638-696, 700-775 ft. C, L, P.
(C-4-4)7aaa-1	M. T. Akin	1958	P	425	6	S	5,150	-395	10- 58	Ts	-	-	-	S	-	Perf. 400-425 ft. L.
(C-4-5)13cab-1	Combined Metals Reduction Co.	1953	P	535	14	S	4,970	-260	3- 53	N	-	-	-	N	-	Perf. 340-365, 400-450, 460-480 ft.

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley

Water levels or artesian pressures in feet below land-surface datum are designated by a minus (-) sign immediately before the first entry in the table, and artesian pressures above land-surface datum are designated similarly by a plus (+) sign. Where some measurements are above and others below land-surface datum, the readings between plus signs are above the plane of reference, those between minus signs are below the plane of reference.

All measurements were made by the U.S. Geological Survey except as noted. Available measurements preceding the first listed measurement have been published in the following Water-Supply Papers of the Geological Survey:

Year	Number	Year	Number	Year	Number	Year	Number	Year	Number	Year	Number	Year	Number
1936	817	1939	886	1942	948	1945	1027	1948	1130	1951	1195	1954	1325
1937	840	1940	910	1943	990	1946	1075	1949	1160	1952	1225	1955	1408
1938	845	1941	940	1944	1020	1947	1100	1950	1169	1953	1269		

(C-1-4)36bcb-1. Records available 1936-45, 1961-63

Nov. 29, 1961	- 7.9	May 23, 1962	- 7.0	Sept. 25, 1962	+ 4.9
Jan. 16, 1962	7.8	July 5	+ 6.6	Oct. 29	3.9
Feb. 28	7.4	July 28	6.7	Dec. 27	4.1
Mar. 30	4.6	Aug. 28	4.8	Mar. 18, 1963	3.1
May 1	9.1				

(C-2-4)1bcc-1. Records available 1940-62

Apr. 12, 1956	-36.7	Apr. 24, 1959	-36.4	July 27, 1960	-38.9
Dec. 14	39.1	May 23	38.3	Sept. 7	38.7
Apr. 2, 1957	39.3	June 23	39.1	Oct. 4	38.9
Dec. 12	36.4	July 27	40.0	Oct. 26	38.8
Mar. 5, 1958	36.2	Aug. 27	38.9	Nov. 29	39.0
May 19	37.0	Sept. 23	38.3	Dec. 28	39.1
June 18	37.0	Oct. 30	38.0	Jan. 24, 1961	39.2
July 22	37.1	Nov. 27	37.9	Mar. 28	39.4
Aug. 19	37.0	Dec. 29	38.0	Apr. 26	39.6
Sept. 23	37.1	Jan. 23, 1960	38.0	May 31	39.6
Oct. 25	37.4	Feb. 20	38.2	June 27	40.9
Nov. 28	36.8	Mar. 30	38.3	July 25	40.8
Dec. 30	37.6	May 9	38.4	Sept. 1	40.2
Jan. 24, 1959	37.8	June 1	38.5	Sept. 26	40.2
Feb. 28	37.9	June 29	39.0	Mar. 6, 1962	41.1
Mar. 24	38.1				

(C-2-4)2aba-1. Records available 1936-41, 1946-62

Mar. 30, 1951	+ 6.2	Nov. 28, 1958	+ 4.6	June 29, 1960	+ 2.1
Dec. 18	5.7	Dec. 30	3.7	July 27	1.4
Apr. 10, 1952	6.4	Jan. 24, 1959	4.1	Sept. 7	1.8
Dec. 22	6.7	Feb. 28	4.3	Oct. 4	1.7
Apr. 22, 1953	6.1	Mar. 23	3.6	Oct. 26	1.9
Mar. 23, 1954	1.6	Apr. 24	4.2	Nov. 29	3.0
Dec. 10	6.7	May 23	3.5	Dec. 28	3.0
Apr. 1, 1955	5.8	June 23	1.3	Jan. 24, 1961	1.4
Dec. 9	6.3	July 27	1.5	Feb. 23	1.1
Apr. 12, 1956	5.6	Aug. 27	3.3	Mar. 28	3.1
Dec. 14	4.9	Sept. 23	4.3	Apr. 26	1.7
Apr. 4, 1957	4.4	Oct. 30	4.2	May 31	.8
Dec. 12	4.9	Nov. 27	4.0	June 27	.6
Mar. 6, 1958	1.3	Dec. 29	4.3	July 27	.5
May 19	3.6	Jan. 23, 1960	4.7	Sept. 5	.7
June 18	3.7	Feb. 20	4.7	Sept. 26	1.1
July 21	3.9	Mar. 30	4.3	Mar. 6, 1962	1.4
Sept. 23	4.1	May 9	2.5	Oct. 10	1.5
Oct. 25	4.8	June 1	2.2		

(C-2-4)2adc-1. Records available 1940, 1941, 1958-62

Sept. 30, 1940	-17.8	Mar. 23, 1959	-17.8	May 9, 1960	-17.3
Feb. 24, 1941	17.7	Apr. 24	18.2	June 2	17.0
Mar. 6, 1958	17.2	May 23	16.9	June 29	17.7
May 19	17.3	June 23	17.4	July 27	19.0
June 18	16.9	July 27	16.8	Sept. 7	17.7
July 22	17.2	Aug. 27	18.0	Oct. 4	18.5
Aug. 19	16.9	Sept. 23	17.6	Oct. 26	18.6
Sept. 23	17.8	Oct. 30	17.8	Nov. 29	18.6
Oct. 25	17.6	Nov. 27	17.8	Dec. 28	18.6
Nov. 28	18.7	Dec. 29	17.9	Jan. 24, 1961	18.6
Dec. 30	17.8	Jan. 23, 1960	18.0	Mar. 28	18.8
Jan. 24, 1959	17.7	Feb. 20	17.9	Sept. 26	19.2
Feb. 28	17.7	Mar. 30	17.5	Mar. 6, 1962	19.4

(C-2-4)2baa-3. Records available 1958-63

July 21, 1958	+12.7	July 27, 1960	+11.2	Jan. 16, 1962	+ 9.1
Mar. 24, 1959	10.7	Sept. 8	11.1	Feb. 28	9.4
Apr. 24	10.4	Oct. 4	11.0	Mar. 30	9.3
May 23	10.6	Oct. 26	11.0	May 1	9.3
June 23	10.5	Nov. 29	10.1	May 23	9.7
July 27	10.4	Dec. 28	9.0	July 5	10.1
Aug. 27	11.5	Jan. 25, 1961	10.6	Aug. 2	10.3
Sept. 23	11.7	Feb. 23	10.5	Sept. 6	10.7
Oct. 30	11.7	Mar. 28	10.6	Sept. 25	11.6
Nov. 27	11.6	Apr. 26	10.5	Oct. 29	11.3
Dec. 29	11.5	May 31	10.5	Nov. 30	10.4
Jan. 30, 1960	11.5	June 27	10.6	Dec. 27	10.3
Feb. 20	11.4	July 25	10.5	Jan. 30, 1963	10.9
Mar. 30	11.3	Sept. 1	10.0	Feb. 28	10.2
May 9	11.2	Sept. 26	10.0	Mar. 25	10.1
June 1	11.2	Oct. 24	10.0		
June 29	11.3	Nov. 28	9.3		

(C-2-4)2bdb-2. Records available 1940, 1941, 1958-63

Apr. 11, 1958	+ 5.5	Mar. 30, 1961	+ 3.6	Mar. 15, 1962	+ 2.8
Sept. 25	4.4	June 28	2.6	Oct. 2	3.0
Mar. 24, 1959	2.6	Sept. 29	2.8	Mar. 14, 1963	3.1
Apr. 6, 1960	2.5				

(C-2-4)2dba-1. Records available 1958-62

Mar. 6, 1958	-19.1	June 18, 1958	-21.1	Aug. 19, 1958	-18.9
May 19	21.3	July 22	19.2	Sept. 23	20.0

(C-2-4)2dba-1 - Continued

Oct. 25, 1958	-19.6	Feb. 20, 1960	-20.0	June 27, 1961	-21.3
Nov. 28	19.8	Mar. 30	19.5	July 25	21.7
Dec. 30	19.8	May 9	20.2	Sept. 1	21.3
Jan. 24, 1959	19.9	June 1	19.2	Sept. 26	21.0
Feb. 28	19.7	June 29	20.9	Oct. 24	21.3
Mar. 23	20.2	July 27	21.6	Nov. 28	21.1
Apr. 24	20.2	Sept. 7	20.0	Jan. 16, 1962	21.4
May 23	19.2	Oct. 4	21.0	Feb. 28	21.4
June 23	20.7	Oct. 26	20.6	Mar. 28	21.3
July 27	20.5	Nov. 29	20.7	May 1	20.1
Aug. 27	19.4	Dec. 28	20.7	May 23	19.8
Sept. 23	19.7	Jan. 24, 1961	20.7	July 5	21.3
Oct. 30	19.8	Feb. 23	20.8	July 28	20.9
Nov. 27	19.8	Mar. 28	20.9	Sept. 6	20.7
Dec. 29	19.9	Apr. 26	21.7	Sept. 26	21.2
Jan. 23, 1960	19.9	May 31	21.3		

(C-2-4)8cdc-1. Records available 1958-63

May 5, 1958	+13.1	Nov. 28, 1959	+11.1	May 5, 1961	+11.4
June 20	12.0	Dec. 30	12.0	June 1	11.4
July 23	12.6	Feb. 27, 1960	11.3	June 28	11.4
Aug. 21	12.1	Apr. 5	11.7	July 26	11.4
Sept. 26	12.2	May 10	11.7	Sept. 5	11.4
Oct. 26	11.8	June 30	11.7	Sept. 27	11.2
Dec. 31	11.9	July 28	11.3	Oct. 25	11.3
Feb. 7, 1959	12.9	Sept. 8	11.2	Jan. 17, 1962	11.2
Mar. 7	11.5	Oct. 5	11.2	Mar. 2	11.3
Mar. 26	11.6	Oct. 27	11.2	Mar. 30	11.0
May 30	12.0	Nov. 30	11.2	June 5	11.3
June 29	11.7	Dec. 29	11.1	Aug. 2	11.1
July 28	11.5	Jan. 25, 1961	11.2	Sept. 28	11.1
Aug. 28	11.5	Apr. 6	11.2	Mar. 22, 1963	11.1
Sept. 24	11.5				

(C-2-4)9cda-1. Records available 1963

Feb. 28, 1963	+21.6	May 22, 1963	+20.3	Aug. 30, 1963	+18.3
Mar. 25	20.8	June 25	19.6	Sept. 27	18.2
Apr. 19	21.0	July 23	20.0	Nov. 19	18.5

(C-2-4)10bcd-1. Records available 1961-63

Sept. 12, 1961	-10.1	Mar. 30, 1962	- 9.8	Aug. 2, 1962	- 9.6
Oct. 25	10.0	May 1	9.8	Sept. 6	9.6
Nov. 29	9.9	May 23	9.9	Sept. 26	9.6
Jan. 16, 1962	9.9	July 5	9.6	Mar. 14, 1963	9.5
Feb. 28	9.9				

(C-2-4)15ccc-1. Records available 1958-63

Mar. 11, 1958	-25.9	Dec. 29, 1959	-26.1	Sept. 1, 1961	-28.3
June 18	25.6	Jan. 23, 1960	26.3	Sept. 26	28.0
July 22	26.8	Feb. 20	26.3	Oct. 24	27.4
Aug. 19	26.6	Mar. 30	26.2	Nov. 28	27.1
Sept. 23	26.3	May 9	26.2	Jan. 16, 1962	27.0
Oct. 25	26.2	June 1	26.8	Mar. 8	26.9
Nov. 28	26.1	June 29	27.0	Mar. 30	26.8
Dec. 30	26.0	July 27	26.7	May 1	26.8
Jan. 24, 1959	26.0	Sept. 7	27.0	May 23	27.2
Feb. 28	26.1	Oct. 4	26.7	July 5	28.1
Mar. 23	26.1	Oct. 26	26.5	July 28	28.2
Apr. 24	26.0	Nov. 29	26.5	Sept. 6	28.6
May 23	26.5	Dec. 28	26.5	Sept. 26	28.1
June 23	26.8	Jan. 24, 1961	26.5	Oct. 29	27.5
July 27	26.6	Feb. 23	26.5	Nov. 30	27.2
Aug. 27	27.1	Mar. 28	26.4	Dec. 27	27.1
Sept. 23	26.8	Apr. 26	26.7	Jan. 30, 1963	27.1
Oct. 30	26.4	May 31	27.5	Feb. 28	27.1
Nov. 27	26.3	July 25	27.9	Mar. 25	27.1

(C-2-4)17dad-1. Records available 1936-52, 1954-56, 1958-59

Mar. 30, 1951	+25.2	May 22, 1958	+22.1	Mar. 7, 1959	+22.3
Dec. 18	25.1	June 20	21.2	Mar. 26	22.3
Apr. 22, 1952	24.6	July 23	21.6	Apr. 25	22.2
Dec. 11	24.4	Aug. 21	21.5	May 30	21.7
Mar. 23, 1954	23.8	Sept. 26	21.7	June 29	21.2
Dec. 10	24.1	Oct. 26	21.7	July 28	21.2
Apr. 1, 1955	24.6	Nov. 29	21.9	Aug. 28	21.0
Dec. 9	22.5	Dec. 31	22.1	Sept. 24	20.9
Apr. 12, 1956	23.1	Feb. 7, 1959	22.3		

(C-2-4)17dcd-1. Records available 1958, 1961-63

Apr. 17, 1958	+21.1	Jan. 17, 1962	+20.2	Sept. 28, 1962	+19.0
Apr. 14, 1961	22.4	Mar. 2	20.7	Oct. 29	19.3
June 1	20.3	Mar. 30	20.6	Nov. 30	19.7
July 26	19.6	May 1	20.5	Dec. 27	19.6
Sept. 5	19.2	June 5	20.3	Jan. 30, 1963	19.8
Sept. 27	19.3	July 6	19.7	Feb. 28	19.8
Oct. 25	19.5	Aug. 2	19.3	Mar. 25	19.8
Nov. 29	19.8	Sept. 7	18.9		

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley - Continued

(C-2-4)19bdd-1. Records available 1961-63

Apr. 6, 1961	+ 8.2	Mar. 13, 1962	+ 7.3	Mar. 21, 1963	+ 7.1
Oct. 12	6.5	Oct. 10	6.4		

(C-2-4)19dbb-1. Records available 1941, 1958-61

Mar. 26, 1958	+ 6.6	July 28, 1959	+ 6.2	Oct. 27, 1960	+ 5.7
June 20	6.3	Aug. 28	6.0	Nov. 30	5.6
July 23	6.3	Sept. 24	5.8	Dec. 29	5.8
Aug. 21	5.7	Oct. 31	6.0	Jan. 25, 1961	5.9
Sept. 26	6.0	Nov. 28	5.9	Feb. 24	6.0
Oct. 26	6.1	Dec. 30	6.3	Mar. 30	6.1
Nov. 29	6.0	Jan. 30, 1960	6.3	May 5	6.2
Dec. 31	6.1	Apr. 5	6.3	June 1	6.0
Feb. 7, 1959	6.6	May 10	6.5	June 28	6.0
Mar. 7	6.3	June 30	6.2	July 26	5.9
Mar. 26	6.4	Sept. 8	5.7	Sept. 5	6.1
Apr. 25	6.6	Oct. 5	5.6	Sept. 27	5.9
June 29	7.0				

(C-2-4)20ddc-1. Records available 1941, 1958-59, 1961-63

Mar. 11, 1958	+15.3	Mar. 30, 1961	+15.2	Mar. 15, 1962	+14.3
Mar. 24, 1959	16.4	Sept. 28	12.2	Sept. 28	12.2
June 11	14.1	Oct. 18	12.3	Mar. 14, 1963	13.5

(C-2-4)21add-1. Records available 1961-63

Sept. 19, 1961	-42.1	Mar. 6, 1962	-40.7	Mar. 14, 1963	-41.0
		Oct. 9	42.3		

(C-2-4)22ccb-4. Records available 1956-63

Apr. 12, 1956	-44.0	Aug. 27, 1959	-55.0	Oct. 26, 1960	-54.5
Dec. 12, 1957	54.9	Sept. 23	55.1	Nov. 29	54.6
Mar. 11, 1958	54.4	Nov. 27	54.9	Dec. 28	54.5
Oct. 25	54.5	Dec. 29	54.9	Jan. 24, 1961	54.6
Nov. 28	54.5	Jan. 23, 1960	55.9	Mar. 28	54.4
Dec. 30	55.4	Feb. 20	56.0	July 25	54.4
Jan. 24, 1959	54.4	Mar. 30	55.7	Sept. 26	54.9
Feb. 28	54.4	June 30	55.1	Mar. 6, 1962	54.8
Mar. 23	54.6	Sept. 7	54.6	Oct. 9	54.8
Apr. 24	54.7	Oct. 4	54.5	Mar. 11, 1963	55.4

(C-2-4)27ccb-1. Records available 1941-42, 1944-45, 1948-51, 1953, 1958-63

Mar. 30, 1951	+10.0	Aug. 27, 1959	- 2.0	Nov. 29, 1960	- 1.3
Dec. 11, 1953	7.6	Sept. 23	2.0	Dec. 28	.9
Mar. 11, 1958	+ 2.6	Oct. 30	- 1.1	Jan. 24, 1961	.9
June 18	- 1.1	Nov. 27	+ .4	Feb. 23	.8
July 22	2.2	Dec. 29	.5	Mar. 28	.8
Aug. 19	1.8	Jan. 23, 1960	.5	Apr. 26	2.6
Sept. 23	2.4	Feb. 20	.5	May 31	5.6
Oct. 25	- .9	Mar. 30	+ 1.3	June 27	5.5
Jan. 24, 1959	+ 1.9	May 9	- 2.1	July 25	6.0
Feb. 28	2.1	June 1	3.5	Sept. 1	6.1
Mar. 23	+ 2.5	June 29	3.8	Sept. 26	5.6
Apr. 24	- .1	July 27	3.3	Mar. 6, 1962	3.2
May 23	1.0	Sept. 7	3.5	Sept. 28	8.6
June 23	1.8	Oct. 4	3.8	Mar. 11, 1963	6.2
July 27	2.5	Oct. 26	3.4		

(C-2-4)28aab-1. Records available 1961-63

June 1, 1961	-48.1	Nov. 28, 1961	-54.3	May 1, 1962	-53.3
June 27	43.2	Jan. 16, 1962	55.1	June 19	56.4
July 25	44.0	Feb. 28	53.9	Oct. 29	56.5
Sept. 1	44.4	Mar. 28	53.4	Mar. 14, 1963	56.5
Oct. 24	56.3				

(C-2-4)28aac-1. Records available 1961-63

June 1, 1961	-58.9	Nov. 28, 1961	-58.6	Mar. 14, 1963	-58.2
Sept. 29	60.9	Mar. 7, 1962	57.5		
Oct. 24	59.7	Oct. 9	61.1		

(C-2-4)28acd-3. Records available 1941, 1958-63

Mar. 11, 1958	+20.5	Nov. 27, 1959	+16.2	June 27, 1961	+ 5.6
May 20	12.1	Dec. 29	18.8	July 25	5.6
June 18	11.6	Jan. 23, 1960	18.9	Sept. 1	5.1
July 22	11.2	Feb. 20	16.1	Sept. 26	5.5
Aug. 19	11.2	Apr. 6	18.5	Oct. 24	6.7
Sept. 23	11.1	May 9	6.5	Mar. 28, 1962	15.4
Oct. 25	15.1	June 1	6.2	Apr. 11	15.6
Nov. 28	19.4	June 29	6.0	May 1	13.9
Dec. 30	20.4	July 27	6.0	May 23	5.5
Jan. 24, 1959	20.5	Sept. 8	6.0	July 6	5.1
Feb. 28	20.8	Oct. 4	6.0	Aug. 2	5.0
Mar. 23	20.1	Oct. 26	6.1	Sept. 6	4.4
Apr. 24	15.2	Nov. 29	14.1	Sept. 26	4.3
May 23	11.6	Dec. 28	15.9	Oct. 29	6.3
June 23	12.0	Jan. 24, 1961	15.9	Nov. 30	12.0
July 27	11.5	Feb. 24	18.1	Dec. 27	12.8
Aug. 27	11.7	Mar. 28	17.0	Jan. 30, 1963	12.8
Sept. 23	13.9	Apr. 26	13.2	Feb. 28	12.9
Oct. 30	14.1	June 1	5.8	Mar. 25	12.5

(C-2-4)28bdd-2. Records available 1961-63

Mar. 28, 1961	+ 4.9	Oct. 24, 1961	+ 4.9	May 23, 1962	+ 4.4
Apr. 26	3.1	Nov. 28	6.8	July 5	3.6
May 31	2.6	Jan. 16, 1962	5.8	Aug. 2	3.5
June 27	2.7	Mar. 6	6.1	Aug. 28	3.4
July 25	2.6	Mar. 28	6.0	Sept. 26	3.4
Sept. 1	2.5	May 1	5.1	Mar. 11, 1963	5.5
Sept. 26	4.6				

(C-2-4)28cbc-1. Records available 1961-63

Apr. 5, 1961	+ 8.0	Mar. 6, 1962	+10.6	Mar. 11, 1963	+10.0
Sept. 28	4.9	Sept. 28	4.6		

(C-2-4)28dbd-5. Records available 1958-63

Mar. 11, 1958	+20.8	Sept. 23, 1958	+14.2	Mar. 6, 1962	+17.6
May 20	12.6	Mar. 24, 1959	21.2	Sept. 28	9.2
June 18	13.4	Apr. 6, 1960	19.1	Mar. 11, 1963	12.9
July 22	13.1	Mar. 30, 1961	19.0		
Aug. 19	14.3	Sept. 27	12.5		

(C-2-4)29adc-1. Records available 1961-62

Mar. 30, 1961	+ 9.6	Mar. 15, 1962	+ 8.6	Oct. 2, 1962	+ 7.1
Sept. 28	6.9				

(C-2-4)29bcd-1. Records available 1941, 1961-63

Mar. 30, 1961	+ 6.2	Mar. 14, 1962	+ 5.6	Mar. 21, 1963	+ 5.1
Sept. 29	4.8	Sept. 28	4.0		

(C-2-4)29ddc-6. Records available 1961-63

Mar. 30, 1961	+12.2	Mar. 6, 1962	+11.1	Mar. 11, 1963	+ 9.9
Sept. 28	8.4	Sept. 28	8.0		

(C-2-4)30ccb-1. Records available 1958-63

Apr. 22, 1958	+ 5.4	Apr. 6, 1960	+ 5.8	Mar. 14, 1962	+ 4.9
Sept. 25	5.2	Mar. 30, 1961	5.2	Sept. 28	2.9
Mar. 24, 1959	5.8	Sept. 29	3.3	Mar. 21, 1963	4.3

(C-2-4)30cdd-1. Records available 1941, 1961-62

Mar. 30, 1961	+11.8	Mar. 14, 1962	+11.5	Sept. 28, 1962	+ 9.0
Sept. 29	9.9				

(C-2-4)31ada-1. Records available 1941, 1958-63

Mar. 14, 1958	+ 9.9	Dec. 29, 1959	+12.1	Sept. 1, 1961	+ 6.9
May 21	9.5	Jan. 23, 1960	11.0	Sept. 26	2.5
June 19	9.1	Feb. 20	10.4	Oct. 24	7.1
July 22	9.3	Mar. 30	10.1	Nov. 28	8.6
Aug. 19	9.3	May 9	8.9	Jan. 16, 1962	9.5
Sept. 23	9.2	June 1	8.8	Feb. 28	8.5
Oct. 25	9.3	June 29	8.7	Mar. 30	8.4
Nov. 28	9.6	July 27	8.5	May 1	7.6
Dec. 30	10.4	Sept. 8	8.6	May 23	7.3
Jan. 24, 1959	11.4	Oct. 4	8.5	July 5	7.0
Feb. 28	12.0	Oct. 26	8.6	Aug. 2	7.4
Mar. 23	10.6	Nov. 29	9.6	Sept. 6	7.2
Apr. 24	9.5	Dec. 28	9.7	Sept. 26	7.4
May 23	9.4	Jan. 24, 1961	9.9	Oct. 29	7.5
June 24	9.2	Feb. 23	9.1	Nov. 30	7.7
July 27	9.0	Mar. 28	9.3	Dec. 27	7.7
Aug. 27	8.9	Apr. 26	8.4	Jan. 30, 1963	7.9
Sept. 23	8.9	May 31	8.1	Feb. 28	7.9
Oct. 30	9.1	June 27	8.0	Mar. 25	7.6
Nov. 27	9.5	July 25	8.0		

(C-2-4)31add-2. Records available 1941, 1958-61

Mar. 13, 1958	+ 9.0	Apr. 24, 1959	+ 8.2	May 9, 1960	+ 7.4
May 22	7.1	May 23	8.3	June 1	7.1
June 19	7.9	June 24	7.8	June 29	6.9
July 22	7.8	July 27	7.4	July 27	6.6
Aug. 19	8.0	Aug. 27	7.3	Sept. 8	6.7
Sept. 23	7.9	Sept. 23	7.3	Oct. 4	6.6
Oct. 25	8.5	Oct. 30	7.4	Oct. 26	6.7
Nov. 28	10.6	Nov. 27	8.1	Feb. 24, 1961	7.8
Dec. 30	11.4	Feb. 20, 1960	9.1	Mar. 28	7.9
Mar. 23, 1959	12.7	Mar. 30	8.8		

(C-2-4)31bcb-1. Records available 1959-63

Mar. 24, 1959	+29.9	June 29, 1960	+20.4	Sept. 1, 1961	+17.0
Apr. 24	25.5	July 27	19.5	Sept. 28	14.4
May 30	25.2	Sept. 8	20.0	Oct. 24	19.1
June 24	24.2	Oct. 4	21.2	Nov. 28	19.5
July 27	23.1	Oct. 26	25.4	Jan. 16, 1962	19.3
Aug. 27	23.3	Nov. 29	26.4	Feb. 28	19.7
Sept. 23	21.7	Dec. 28	27.0	Mar. 30	19.3
Oct. 30	26.3	Jan. 24, 1961	27.7	May 1	14.0
Nov. 27	28.1	Feb. 23	27.5	May 23	9.6
Dec. 29	28.0	Mar. 29	27.2	July 5	9.0
Jan. 23, 1960	29.3	Apr. 26	19.0	Aug. 2	11.1
Feb. 20	29.4	May 31	17.5	Sept. 6	11.0
Mar. 30	26.4	June 27	17.3	Sept. 26	14.3
May 9	21.0	July 25	18.4	Mar. 11, 1963	18.2
June 1	20.9				

(C-2-4)31caa-2. Records available 1960-62

Apr. 5, 1960	+ 1.5	Jan. 24, 1961	+ 1.4	Nov. 28, 1961	+ 0.9
May 9	.7	Feb. 23	1.3	Jan. 16, 1962	1.0
June 1	.7	Mar. 28	1.3	Feb. 28	1.0
June 29	.6	Apr. 26	+ .2	Mar. 28	5.9
July 27	.3	May 31	- .1	May 1	+ .2
Sept. 7	.7	June 27	.1	May 23	- 3.7
Oct. 4	.8	July 25	.1	July 5	2.4
Oct. 26	1.1	Sept. 1	.5	Aug. 2	1.7
Nov. 29	1.2	Sept. 26	- 1.6	Sept. 6	2.2
Dec. 28	1.3	Oct. 24	+ .8	Sept. 26	.8

(C-2-4)31dad-2. Records available 1941-42, 1944-45, 1958-63

Apr. 18, 1958	+ 6.1	Mar. 23, 1959	+ 6.6	Feb. 20, 1960	+ 5.3
May 20	5.6	Apr. 24	5.3	Mar. 30	5.2
June 19	5.1	May 30	4.9	May 9	3.4
July 22	4.8	June 24	4.6	June 1	3.0
Aug. 19	4.9	July 27	4.2	June 29	2.6
Sept. 23	4.6	Aug. 27	3.8	July 27	2.2
Oct. 25	5.0	Sept. 23	3.6	Sept. 7	2.1
Nov. 29	5.3	Oct. 30	4.0	Oct. 4	1.9
Dec. 30	5.8	Nov. 27	4.4	Oct. 26	2.2
Jan. 24, 1959	6.4	Dec. 29, 1959	5.1	Nov. 29	2.9
Feb. 28	6.7	Jan. 23, 1960	5.3	Dec. 28	3.1

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley - Continued

(C-2-4)31dad-2 - Continued

Jan. 24, 1961	+ 3.4	Oct. 24, 1961	- 0.5	Sept. 6, 1962	- 3.7
Feb. 24	3.2	Nov. 28	+ .2	Sept. 28	3.1
Mar. 28	3.2	Jan. 16, 1962	.6	Oct. 29	2.9
Apr. 26	1.6	Mar. 2	.4	Nov. 30	2.4
May 31	.5	Mar. 28	+ .4	Dec. 27	2.2
June 27	+ .3	May 1	- .5	Jan. 30, 1963	2.1
July 25	- .1	May 23	1.8	Feb. 28	2.1
Sept. 1	1.1	July 5	2.9	Mar. 25	2.2
Sept. 26	2.0	Aug. 2	3.0		

(C-2-4)31dbc-1. Records available 1941, 1958, 1960-63

Apr. 18, 1958	- 0.3	May 31, 1961	- 8.9	Jan. 16, 1962	- 5.1
Apr. 5, 1960	2.0	June 27	9.7	Feb. 28	5.0
Dec. 28	3.1	July 25	9.5	Mar. 28	5.0
Jan. 24, 1961	2.7	Sept. 1	10.7	Sept. 28	8.8
Feb. 23	3.0	Sept. 26	11.3	Mar. 11, 1963	7.0
Mar. 28	3.3	Oct. 24	6.1		
Apr. 26	8.4	Nov. 28	5.4		

(C-2-4)31dca-1. Records available 1941-48, 1958, 1960-62

Mar. 13, 1958	+ 1.4	Dec. 30, 1958	+ 1.2	Oct. 26, 1960	- 2.8
May 21	.8	May 9, 1960	- 1.9	Nov. 29	1.1
June 19	.6	June 1	2.3	Apr. 26, 1961	3.7
July 22	.3	June 29	2.5	Sept. 26	7.1
Aug. 19	.1	July 27	3.1	Oct. 24	4.8
Sept. 23	.1	Sept. 7	2.9	Mar. 28, 1962	3.8
Oct. 25	.3	Oct. 4	2.9	Sept. 28	7.7
Nov. 28	.7				

(C-2-4)32bcd-1. Records available 1961-62

Apr. 5, 1961	+11.2	Mar. 6, 1962	+ 6.9

(C-2-4)32caa-2. Records available 1961-62

Mar. 28, 1961	+ 9.7	Sept. 1, 1961	+ 1.4	Jan. 16, 1962	+ 4.5
Apr. 26	1.6	Sept. 26	1.2	Feb. 28	4.3
June 1	1.4	Oct. 24	1.4	Mar. 28	4.5
June 27	1.3	Oct. 25	1.1		
July 25	1.5	Nov. 28	4.4		

(C-2-4)32cad-1. Records available 1960-63

Apr. 6, 1960	-18.2	Feb. 23, 1961	-20.0	Mar. 6, 1962	-22.9
Dec. 29	20.2	Mar. 28	20.0	Sept. 28	26.6
Jan. 24, 1961	20.0	Oct. 24	23.6	Mar. 11, 1963	25.7

(C-2-4)33aab-1. Records available 1960-63

Apr. 5, 1960	- 4.0	June 24, 1961	- 8.4	Sept. 22, 1962	-13.2
Apr. 30	4.7	July 29	9.1	Oct. 6	13.4
June 18	6.0	Aug. 26	9.7	Oct. 27	12.8
July 30	6.6	Sept. 30	9.7	Nov. 24	12.2
Aug. 20	7.1	Oct. 28	9.7	Dec. 29	12.1
Sept. 24	7.4	Nov. 25	9.1	Jan. 26, 1963	12.0
Oct. 1	7.5	Dec. 30	8.9	Feb. 23	12.0
Oct. 22	7.2	Jan. 27, 1962	8.9	Mar. 23	11.9
Nov. 26	6.5	Feb. 10	8.8	Apr. 27	12.3
Dec. 24	6.3	Feb. 24	8.9	May 25	15.9
Jan. 21, 1961	6.2	Mar. 31	9.0	June 29	14.3
Feb. 18	6.2	Apr. 28	9.5	July 20	15.7
Mar. 4	6.1	May 26	10.3	Aug. 10	15.9
Apr. 1	6.3	June 30	11.6	Sept. 10	16.9
Apr. 29	7.1	July 21	12.0	Oct. 26	16.0
May 27	8.2	Aug. 25	12.9		

(C-2-4)33aac-1. Water-level recorder installed Oct. 8, 1958. Water levels reported for subsequent dates to Jan. 1, 1962 are at noon, after which water levels are reported at highest level during the day. The water levels are taken from recorder charts. Records available 1942, 1958-63

Feb. 24, 1942	- 8.0	May 28, 1960	-12.6	Feb. 28, 1962	-13.3
Oct. 8, 1958	11.2	June 30	13.1	Mar. 31	13.4
Oct. 31	10.6	July 31	13.3	Apr. 30	14.4
Nov. 30	8.6	Aug. 31	13.6	May 31	15.8
Dec. 31	8.1	Sept. 30	14.1	June 30	16.8
Jan. 31, 1959	7.8	Oct. 2	14.2	July 31	17.3
Feb. 28	7.6	Oct. 31	12.9	Aug. 31	19.0
Mar. 24	7.4	Nov. 30	11.3	Sept. 8	19.3
Mar. 31	8.1	Dec. 31	10.8	Sept. 30	18.7
Apr. 30	9.7	Jan. 31, 1961	10.8	Oct. 31	17.4
May 31	10.6	Feb. 22	10.6	Nov. 30	16.5
June 30	11.1	Feb. 28	10.8	Dec. 31	16.3
July 31	11.7	Mar. 31	11.3	Jan. 31, 1963	16.3
Aug. 31	11.7	Apr. 30	13.1	Feb. 28	16.1
Sept. 12	12.1	May 31	14.9	Mar. 18	16.1
Sept. 30	11.7	June 30	14.9	Mar. 31	16.3
Oct. 31	10.9	July 31	15.0	Apr. 30	16.6
Nov. 30	9.4	Aug. 29	15.8	May 31	19.7
Dec. 29	9.3	Sept. 13	16.0	June 30	19.5
Jan. 31, 1960	9.1	Sept. 30	15.6	July 31	20.7
Feb. 29	9.0	Oct. 31	14.9	Aug. 31	21.7
Mar. 26	8.9	Dec. 2	13.3	Sept. 4	22.0
Apr. 2	8.8	Dec. 31	13.4	Sept. 30	21.2
Apr. 30	11.1	Jan. 31, 1962	13.4	Oct. 26	21.3

(C-2-4)33abb-3. Records available 1961-62

Mar. 30, 1961	+10.3	Mar. 6, 1962	+ 8.6	Oct. 2, 1962	+ 2.8
Sept. 29	4.8				

(C-2-4)33abb-4. Records available 1935-50, 1958-62

Mar. 6, 1958	+ 9.0	July 22, 1958	+ 5.6	Oct. 25, 1958	+ 5.0
May 20	6.7	Aug. 19	4.6	Nov. 28	7.0
June 19	6.1	Sept. 23	4.6	Dec. 30	7.6

(C-2-4)33abb-4 - Continued

Jan. 24, 1959	+ 7.9	Jan. 23, 1960	+ 6.4	Dec. 28, 1960	+ 5.3
Feb. 28	8.1	Feb. 20	6.5	Jan. 24, 1961	5.4
Mar. 23	8.1	Mar. 30	6.7	Feb. 23	5.3
Apr. 24	5.9	May 9	3.4	Mar. 28	5.4
May 23	5.0	June 1	3.4	Apr. 26	3.6
June 24	4.8	June 29	3.1	May 31	1.8
July 27	4.4	July 27	3.1	June 27	1.8
Aug. 27	4.2	Sept. 7	2.9	July 25	1.4
Sept. 23	4.1	Oct. 4	2.5	Sept. 1	.9
Oct. 30	4.9	Oct. 26	3.1	Sept. 26	1.3
Nov. 27	6.1	Nov. 29	4.7	Mar. 6, 1962	3.5
Dec. 28	5.3				

(C-2-4)33add-1. Water-level recorder installed Sept. 17, 1937, removed Nov. 6, 1958. Water levels during this period are at noon and are taken from recorder charts. Records available 1937-63. Measurements for the period May 9, 1960 through Dec. 28, 1960 differ from those in Water-Supply Paper 1760. The measurements listed here are correct.

Jan. 31, 1956	-36.3	Apr. 30, 1958	-40.4	Nov. 29, 1960	-44.6
Feb. 23	36.1	May 31	41.8	Dec. 28	44.3
Feb. 29	36.3	June 30	42.5	Jan. 24, 1961	44.2
Mar. 31	36.4	July 31	42.7	Feb. 22	44.1
Apr. 30	37.1	Aug. 31	42.9	Mar. 28	44.2
May 31	38.3	Sept. 13	43.0	Apr. 26	45.1
June 30	38.9	Sept. 30	42.9	June 27	47.0
July 31	39.3	Oct. 31	42.5	July 25	47.5
Aug. 31	39.9	Nov. 28	41.6	Sept. 26	48.2
Sept. 30	40.1	Dec. 31	41.1	Oct. 24	48.0
Oct. 6	40.2	Jan. 24, 1959	40.9	Nov. 28	47.1
Oct. 31	39.9	Feb. 28	40.6	Jan. 16, 1962	47.0
Nov. 30	39.6	Mar. 23	40.4	Feb. 28	47.0
Dec. 31	39.1	Apr. 24	41.4	Mar. 28	47.1
Jan. 31, 1957	39.1	May 23	42.3	May 1	47.7
Feb. 28	39.1	June 23	42.7	June 6	48.5
Mar. 31	39.0	July 27	43.2	July 5	49.6
Apr. 30	39.5	Aug. 27	43.5	July 28	50.5
May 31	40.1	Sept. 23	43.5	Sept. 25	51.5
June 30	40.5	Oct. 30	43.2	Oct. 29	50.5
July 31	41.5	Nov. 27	42.4	Nov. 30	50.0
Aug. 31	42.0	Dec. 29	42.1	Dec. 27	49.8
Sept. 30	42.0	Feb. 20, 1960	41.9	Jan. 30, 1963	49.8
Oct. 6	42.2	Mar. 30	41.8	Feb. 28	49.8
Oct. 31	42.0	May 9	43.4	Mar. 25	49.8
Nov. 30	40.9	June 29	44.8	Apr. 19	50.1
Dec. 31	40.6	July 27	45.1	June 20	52.2
Jan. 31, 1958	40.4	Sept. 7	45.5	Aug. 26	54.2
Feb. 25	40.2	Oct. 4	46.0	Sept. 25	54.0
Mar. 31	40.0	Oct. 26	45.6	Oct. 25	54.2

(C-2-4)33bbb-1. Records available 1941, 1958-61

Apr. 22, 1958	+25.2	May 23, 1959	+21.8	June 29, 1960	+19.9
May 20	23.7	June 24	22.1	July 27	20.0
June 18	22.7	July 27	21.8	Sept. 8	19.6
July 22	22.1	Aug. 27	20.8	Oct. 4	18.7
Aug. 19	22.1	Sept. 23	21.1	Oct. 26	19.6
Sept. 23	21.9	Oct. 30	21.8	Nov. 29	21.1
Oct. 25	21.9	Nov. 27	22.9	Dec. 28	21.8
Nov. 28	21.7	Dec. 29	23.3	Jan. 24, 1961	22.2
Dec. 30	24.5	Jan. 23, 1960	23.7	Feb. 23	21.9
Jan. 24, 1959	24.8	Feb. 20	24.3	Mar. 28	22.1
Feb. 28	25.4	Mar. 30	24.4	Apr. 26	20.2
Mar. 23	25.5	May 9	21.3	May 31	18.7
Apr. 24	23.5	June 1	20.4		

(C-2-4)33bcb-1. Records available 1941-42, 1958-63

Feb. 26, 1942	+ 5.2	Feb. 20, 1960	+ 4.4	Sept. 26, 1961	- 2.2
Mar. 11, 1958	5.6	Mar. 30	4.6	Oct. 24	1.9
June 20	4.1	May 9	2.4	Nov. 28	.7
July 22	3.7	June 1	1.7	Jan. 16, 1962	.5
Aug. 19	3.5	June 29	1.2	Feb. 28	.5
Sept. 23	3.4	July 27	1.3	Mar. 28	.5
Oct. 25	3.5	Sept. 7	+ .9	May 1	1.4
Nov. 28	4.4	Oct. 4	- .1	May 23	2.5
Dec. 30	5.1	Oct. 26	+ .7	July 5	4.3
Jan. 24, 1959	5.5	Nov. 29	1.7	July 28	6.2
Feb. 28	5.8	Dec. 28	2.1	Sept. 6	6.3
Mar. 23	5.9	Jan. 24, 1961	2.3	Sept. 26	5.6
Apr. 24	4.6	Mar. 28	2.3	Oct. 29	4.7
Sept. 23	2.7	Apr. 26	+ 1.0	Nov. 30	3.9
Oct. 30	2.9	May 31	- .3	Dec. 27	3.8
Nov. 27	3.6	June 27	1.3	Jan. 30, 1963	3.7
Dec. 29	4.0	July 25	1.2	Feb. 28	3.7
Jan. 23, 1960	4.1	Sept. 1	2.2	Mar. 25	3.8

(C-2-4)33bcb-2. Records available 1941-42, 1944-48, 1951-63

Mar. 30, 1951	+ 5.1	July 22, 1958	- 5.4	Sept. 23, 1959	- 5.9
Dec. 18	3.3	Aug. 19	5.5	Oct. 30	5.9
Apr. 10, 1952	4.7	Sept. 23	5.6	Nov. 27	4.7
Apr. 22, 1953	3.5	Oct. 25	5.5	Dec. 29	4.4
Mar. 23, 1954	4.1	Nov. 28	4.3	Jan. 23, 1960	4.3
Dec. 10	1.4	Dec. 30	3.8	Feb. 20	3.9
Apr. 1, 1955	+ 3.5	Jan. 24, 1959	3.5	Mar. 30	3.8
Dec. 9	- 1.1	Feb. 28	3.2	May 9	6.7
Apr. 12, 1956	+ .2	Mar. 23	2.8	June 1	7.1
Dec. 14	- 2.3	Apr. 24	4.3	June 29	7.5
Apr. 4, 1957	1.7	May 23	5.7	July 27	7.1
Dec. 12	1.5	June 24	5.4	Sept. 7	7.3
Mar. 11, 1958	2.8	July 27	5.7	Oct. 4	8.5
June 20	4.9	Aug. 27	6.9	Oct. 26	7.5

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley - Continued

(C-2-4)33bcb-2 - Continued

Nov. 29, 1960	- 6.1	Sept. 26, 1961	- 9.4	July 28, 1962	-12.0		
Dec. 28	5.7	Oct. 24	9.4	Sept. 6	12.9		
Jan. 24, 1961	5.6	Nov. 28	8.1	Sept. 26	12.7		
Feb. 24	5.6	Jan. 16, 1962	7.8	Oct. 29	11.0		
Mar. 28	5.6	Feb. 28	7.7	Nov. 30	10.7		
Apr. 26	7.1	Mar. 28	7.7	Dec. 27	10.1		
May 31	8.5	May 1	8.7	Jan. 30, 1963	10.0		
June 27	9.2	May 23	10.1	Feb. 28	9.7		
July 25	8.8	July 11	11.8	Mar. 25	10.0		
Sept. 1	9.5						

(C-2-4)33dac-1. Records available 1941, 1961-62

Sept. 1, 1961	-66.4	Nov. 28, 1961	-65.3	Mar. 28, 1962	-65.4
Sept. 27	66.2	Jan. 16, 1962	65.1	May 1	65.9
Oct. 24	66.0	Mar. 13	65.3		

(C-2-4)34bdd-1. Records available 1959-63

June 12, 1959	-67.1	Oct. 11, 1961	-72.1	Mar. 11, 1963	-74.2
Apr. 5, 1960	66.3	Mar. 19, 1962	71.2		
Mar. 30, 1961	68.5	Oct. 2	75.5		

(C-2-4)35cbb-1. Records available 1941, 1958-63

Mar. 6, 1958	-99.3	June 1, 1960	-103.9	Oct. 24, 1961	-107.5
May 20	103.5	June 29	104.5	Nov. 28	106.8
July 22	102.2	July 27	105.2	Jan. 16, 1962	106.7
Oct. 26	102.3	Sept. 8	105.5	Feb. 28	106.6
Nov. 28	101.4	Oct. 4	105.6	Mar. 30	106.8
Dec. 30	101.0	Oct. 26	104.7	May 1	107.3
Jan. 24, 1959	100.6	Nov. 29	104.2	May 23	107.8
Feb. 28	100.7	Dec. 28	104.0	July 5	109.8
Mar. 23	100.2	Jan. 24, 1961	103.8	July 28	109.6
Apr. 25	101.1	Feb. 23	103.8	Sept. 6	111.4
June 23	102.5	Mar. 28	103.7	Sept. 26	110.8
July 27	103.6	Apr. 26	104.2	Oct. 29	110.2
Aug. 27	103.4	May 31	106.4	Nov. 30	109.9
Sept. 23	103.0	June 27	106.8	Dec. 27	109.7
Oct. 30	102.6	July 25	107.8	Jan. 30, 1963	109.7
Nov. 27	102.2	Sept. 1	108.3	Feb. 28	109.7
Mar. 30, 1960	101.5	Sept. 26	108.3	Mar. 25	109.7
May 9	102.3				

(C-2-5)5acc-3. Records available 1941-42, 1944-53, 1955-63

Apr. 12, 1956	- 0.8	May 23, 1959	- 0.9	Oct. 5, 1960	- 1.8
Dec. 14	1.3	June 25	1.0	Oct. 27	1.7
Apr. 4, 1957	1.0	July 28	1.3	Nov. 30	1.2
Dec. 12	1.1	Aug. 28	1.5	Dec. 29	1.1
Apr. 14, 1958	.9	Sept. 24	1.5	Jan. 25, 1961	1.1
May 22	1.0	Oct. 31	1.4	Mar. 29	.9
June 20	1.2	Nov. 28	1.3	Apr. 27	1.0
July 23	1.4	Dec. 30	1.1	June 1	1.1
Aug. 21	1.6	Jan. 30, 1960	1.1	June 28	1.2
Sept. 24	1.7	Feb. 27	.9	July 26	1.5
Oct. 26	1.6	Apr. 4	.8	Sept. 5	1.6
Dec. 31	1.2	May 10	1.0	Sept. 27	1.6
Feb. 7, 1959	1.0	June 2	1.0	Mar. 15, 1962	1.2
Mar. 7	.8	June 30	1.2	Oct. 10	1.4
Mar. 26	.7	July 28	1.4	Mar. 18, 1963	1.1
Apr. 25	.8	Sept. 8	1.7		

(C-2-5)5dcd-4. Records available 1961-63

Apr. 4, 1961	+ 2.6	Mar. 13, 1962	+ 2.4	Mar. 21, 1963	+ 2.5
Oct. 11	2.2	Oct. 12	2.3		

(C-2-5)6ddd-7. Records available 1961-63

Apr. 21, 1961	+ 1.5	Oct. 24, 1961	+ 1.0	May 1, 1962	+ 1.5
June 1	1.0	Nov. 29	1.3	June 5	1.4
June 28	.9	Jan. 17, 1962	1.4	July 6	1.0
July 26	.9	Mar. 2	1.4	Oct. 10	1.3
Sept. 5	.8	Mar. 30	1.4	Mar. 18, 1963	1.4
Sept. 27	.7				

(C-2-5)7bdd-1. Records available 1941, 1958, 1961-63

Mar. 27, 1958	+ 4.0	Oct. 11, 1961	+ 2.5	Oct. 10, 1962	+ 3.3
Mar. 31, 1961	4.0	Mar. 8, 1962	3.8	Mar. 13, 1963	3.6

(C-2-5)7ddc-3. Records available 1958-63

Apr. 28, 1958	+ 1.8	Apr. 7, 1960	+ 2.4	Mar. 15, 1962	+ 1.9
Sept. 24	- 4.2	Mar. 31, 1961	2.3	Oct. 9	1.6
Mar. 25, 1959	+ 2.2	Oct. 12	- 2.4	Mar. 13, 1963	1.8

(C-2-5)13acc-1. Records available 1941, 1958, 1961-62

Mar. 12, 1958	+ 4.4	Oct. 12, 1961	+ 4.0	Oct. 12, 1962	+ 4.0
May 5, 1961	5.1	Apr. 5, 1962	4.7		

(C-2-5)14dbb-1. Records available 1941, 1958, 1961-63

Mar. 12, 1958	+17.9	Oct. 12, 1961	+14.4	Oct. 12, 1962	+16.0
May 5, 1961	16.4	Apr. 5, 1962	15.7	Mar. 22, 1963	16.3

(C-2-5)17bad-1. Records available 1961-62

Apr. 21, 1961	+ 9.1	Oct. 12, 1961	+ 7.6	Apr. 5, 1962	+ 8.6

(C-2-5)17bcc-1. Records available 1958-63

Apr. 28, 1958	+12.6	Apr. 25, 1959	+11.9	Feb. 27, 1960	+13.8
May 22	11.6	May 23	9.3	Apr. 4	13.7
June 20	8.0	June 25	9.1	May 10	11.5
July 23	7.6	July 28	9.1	June 2	11.2
Aug. 21	7.9	Aug. 28	10.2	June 30	11.1
Oct. 26	8.4	Sept. 24	10.5	July 28	11.2
Feb. 7, 1959	13.3	Oct. 31	12.7	Sept. 8	11.1
Mar. 7	13.4	Nov. 28	13.3	Oct. 5	11.1
Mar. 26	13.2	Dec. 30	13.7	Oct. 27	12.0

(C-2-5)17bcc-1 - Continued

Nov. 30, 1960	+13.3	Sept. 5, 1961	+12.0	Aug. 2, 1962	+ 9.1
Dec. 29	13.7	Oct. 3	11.6	Sept. 7	9.2
Jan. 25, 1961	13.8	Oct. 24	7.9	Oct. 2	9.1
Feb. 24	14.0	Nov. 29	9.0	Oct. 26	9.4
Mar. 29	14.1	Jan. 17, 1962	9.6	Nov. 30	9.8
Apr. 27	12.6	Mar. 30	9.9	Dec. 27	10.1
June 1	11.8	May 1	9.6	Feb. 28, 1963	10.4
June 28	11.6	July 6	9.1	Mar. 22	10.7
July 26	12.0				

(C-2-5)17bda-1. Records available 1941, 1961-63

Apr. 21, 1961	+15.7	Apr. 5, 1962	+14.1	Mar. 22, 1963	+14.2
Oct. 12	13.2	Oct. 10	12.7		

(C-2-5)18bdc-1. Records available 1961-63

Apr. 21, 1961	+ 3.6	Mar. 8, 1962	+ 2.9	Mar. 13, 1963	+ 2.3
Oct. 11	1.8	Oct. 10	2.6		

(C-2-5)18dcc-1. Records available 1959-63

Apr. 25, 1959	+ 3.7	Oct. 11, 1961	+ 1.5	Mar. 13, 1963	+ 2.4
Apr. 7, 1960	4.4	Mar. 8, 1962	2.7		
Mar. 31, 1961	3.2	Oct. 9	1.7		

(C-2-5)19abc-1. Records available 1941, 1958, 1961-62

Mar. 26, 1958	+ 5.2	Oct. 11, 1961	+ 4.2	Oct. 10, 1962	+ 4.3
Mar. 31, 1961	5.9	Mar. 8, 1962	5.4		

(C-2-5)19dcc-1. Records available 1937-58, deepened well (new aquifer), 1959-63

Mar. 30, 1951	+ 5.0	Apr. 1, 1955	+ 3.1	May 22, 1958	+ 2.2
Dec. 18	4.3	Dec. 9	2.5	June 20	1.7
Apr. 10, 1952	5.6	Apr. 12, 1956	3.1	July 23	1.4
Dec. 22	1.6	Dec. 14	2.4	Aug. 21	1.6
Mar. 31, 1953	2.7	Apr. 4, 1957	2.8	Sept. 24	1.4
Dec. 11	2.7	Dec. 12	1.6	Oct. 26	2.1
Mar. 23, 1954	3.2	Mar. 26, 1958	2.1	Nov. 29	.4
Dec. 10	1.9				
New aquifer					
June 25, 1959	+18.9	May 10, 1960	+18.7	Mar. 29, 1961	+18.8
July 28	17.8	June 2	17.9	Apr. 27	17.7
Aug. 28	16.7	June 30	17.9	June 1	17.0
Sept. 24	17.1	July 28	17.3	June 28	16.5
Oct. 31	17.6	Sept. 8	16.7	July 26	16.1
Nov. 28	18.2	Oct. 5	16.6	Sept. 5	15.6
Dec. 30	18.7	Oct. 27	17.2	Sept. 27	15.6
Jan. 30, 1960	18.6	Nov. 30	17.9	Mar. 13, 1962	17.9
Feb. 27	18.8	Dec. 29	18.4	Oct. 9	17.1
Apr. 4	19.0	Jan. 25, 1961	18.8	Mar. 14, 1963	19.8

(C-2-5)20acc-1. Records available 1961-63

Apr. 20, 1961	+12.0	Apr. 5, 1962	+ 9.9	Mar. 14, 1963	+10.1
Oct. 11	9.4	Oct. 9	8.5		

(C-2-5)23cca-1. Records available 1941, 1958, 1961-63

Mar. 12, 1958	+14.2	Oct. 12, 1961	+11.6	Oct. 12, 1962	+11.8
May 5, 1961	11.9	Mar. 22, 1962	14.0	Mar. 22, 1963	14.0

(C-2-5)23cdc-2. Records available 1961-62

May 5, 1961	+ 7.4	Mar. 22, 1962	+ 8.7	Oct. 12, 1962	+ 6.9
Oct. 12	6.8				

(C-2-5)25aab-1. Records available 1935-47, 1949-53, 1958-62

Mar. 20, 1958	+ 8.6	July 28, 1959	+ 7.3	Oct. 5, 1960	+ 6.6
May 22	8.3	Aug. 28	7.0	Oct. 27	6.7
June 20	7.9	Sept. 24	6.9	Nov. 30	7.0
July 23	7.6	Oct. 31	7.4	Dec. 29	7.2
Aug. 21	7.7	Nov. 28	7.6	Jan. 25, 1961	7.3
Sept. 26	7.6	Dec. 30	7.9	Apr. 6	7.7
Oct. 26	7.6	Jan. 30, 1960	6.6	Apr. 27	7.4
Dec. 31	8.2	Apr. 5	8.1	June 1	6.9
Feb. 7, 1959	8.4	May 10	7.6	June 28	6.5
Mar. 7	8.4	June 2	7.3	July 26	5.4
Mar. 26	8.3	June 30	6.9	Sept. 5	5.0
Apr. 25	8.3	July 28	6.7	Sept. 27	4.3
May 23	8.0	Sept. 8	6.6	Mar. 27, 1962	4.3

(C-2-5)25aab-2. Records available 1961-63

July 26, 1961	+ 4.9	Mar. 22, 1962	+ 5.5	Mar. 18, 1963	+ 5.2
Sept. 27	4.8	Oct. 10	4.5		

(C-2-5)25cdd-4. Records available 1961-63

Sept. 29, 1961	+ 9.8	Mar. 14, 1962	+11.4	Mar. 14, 1963	+11.6
		Oct. 2	9.5		

(C-2-5)25ddd-1. Records available 1941, 1958-62

Apr. 22, 1958	+ 3.4	Apr. 6, 1960	+ 5.2	Mar. 6, 1962	+ 4.5
Sept. 25	4.8	Apr. 11, 1961	4.0		
Mar. 24, 1959	5.7	Sept. 29	3.0		

(C-2-5)27ccc-1. Records available 1960-63

Apr. 5, 1960	- 1.3	Feb. 24, 1961	- 1.8	Jan. 16, 1962	- 2.4
May 10	1.9	Mar. 29	1.7	Mar. 2	2.4
June 2	2.0	Apr. 27	1.6	Mar. 29	2.6
June 30	2.1	June 1	2.1	May 1	2.7
July 28	2.2	June 27	2.6	June 5	2.9
Sept. 7	2.3	July 25	2.8	July 6	3.2
Oct. 4	2.5	Sept. 5	3.0	Aug. 2	3.0
Oct. 27	2.4	Sept. 27	2.9	Sept. 6	3.6
Nov. 29	2.4	Oct. 25	2.9	Sept. 28	3.8
Dec. 29	2.4	Nov. 29	2.8	Mar. 11, 1963	2.9
Jan. 25, 1961	1.9				

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley - Continued

(C-2-5)27ccd-3. Records available 1941-61

Dec. 18, 1951	- 0.2	Oct. 26, 1958	- 5.0	May 10, 1960	- 5.1
Dec. 22, 1952	1.8	Nov. 29	5.0	June 2	5.3
Apr. 22, 1953	1.5	Dec. 31	4.4	June 30	5.4
Dec. 11	1.7	Feb. 7, 1959	4.3	July 28	5.6
Mar. 23, 1954	.9	Mar. 7	4.3	Sept. 7	5.7
Dec. 10	2.7	Mar. 25	4.3	Oct. 4	5.9
Apr. 1, 1955	2.2	Apr. 25	4.3	Oct. 27	5.7
Dec. 9	2.6	May 30	4.7	Nov. 29	5.7
Apr. 12, 1956	2.1	June 29	5.0	Dec. 29	5.7
Dec. 14	4.3	July 28	5.2	Jan. 25, 1961	5.2
Apr. 4, 1957	2.9	Aug. 28	5.3	Feb. 24	5.1
Aug. 28	4.5	Sept. 24	5.4	Mar. 29	5.0
Dec. 12	4.2	Oct. 31	5.2	Apr. 27	4.9
Apr. 11, 1958	4.2	Nov. 28	5.0	June 1	5.4
May 5	4.5	Dec. 30	4.4	June 27	5.9
June 18	4.3	Jan. 30, 1960	4.7	July 25	6.1
July 23	4.8	Feb. 27	4.7	Sept. 5	6.3
Aug. 21	4.9	Apr. 5	4.6	Sept. 27	6.3
Sept. 24	5.0				

(C-2-5)28dcc-3. Records available 1961-62

Apr. 6, 1961	+ 0.8	Mar. 14, 1962	- 0.3	Oct. 19, 1962	- 1.2
Oct. 5	- .4				

(C-2-5)29adc-2. Records available 1961-63

Oct. 5, 1961	+ 6.4	Apr. 5, 1962	+ 4.4	Mar. 21, 1963	+13.4
		Oct. 12	3.4		

(C-2-5)29dcd-5. Records available 1939, 1958-61

Apr. 16, 1958	+22.6	Dec. 30, 1959	+20.3	Nov. 30, 1960	+17.7
Sept. 26	14.6	Jan. 30, 1960	19.9	Dec. 29	18.8
Mar. 26, 1959	20.0	Feb. 27	20.0	Jan. 25, 1961	18.9
Apr. 25	15.3	Apr. 5	19.4	Apr. 6	19.5
May 30	15.2	May 10	14.3	Apr. 27	15.8
July 1	14.9	June 2	14.0	June 1	12.8
July 28	14.4	June 30	12.9	June 28	12.8
Aug. 28	14.0	July 28	13.7	Aug. 4	12.4
Sept. 24	14.8	Sept. 8	13.0	Sept. 1	12.6
Oct. 31	17.4	Oct. 5	12.7	Sept. 27	13.1
Nov. 28	19.1	Oct. 27	16.2		

(C-2-5)30abc-1. Records available 1941, 1958-62

Mar. 26, 1958	+11.1	Apr. 7, 1960	+11.0	Mar. 13, 1962	+ 9.6
Sept. 24	9.3	Apr. 19, 1961	10.7	Oct. 3, 1962	8.0
Mar. 25, 1959	11.9	Oct. 4	8.0		

(C-2-5)30bcd-1. Records available 1941, 1960-62

Apr. 7, 1960	+ 4.7	Apr. 12, 1961	+ 4.2	Mar. 8, 1962	+ 3.2
		Oct. 4	1.4	Oct. 3	1.8

(C-2-5)30cbc-1. Records available 1941, 1958-59

Mar. 27, 1958	+11.4	Sept. 24, 1958	+ 8.9	Mar. 25, 1959	+11.2

(C-2-5)30cbd-1. Records available 1961-63

Apr. 12, 1961	+ 7.9	Mar. 13, 1962	+ 4.3	Mar. 14, 1963	+ 7.8
Oct. 4	3.8	Oct. 3	3.1		

(C-2-5)30ccc-1. Records available 1961-62

Apr. 12, 1961	+10.9	Mar. 13, 1962	+ 9.7	Oct. 3, 1962	+ 7.7
Oct. 3	5.2				

(C-2-5)30daa-1. Records available 1961-63

Apr. 6, 1961	+ 3.6	Mar. 8, 1962	+ 3.2	Mar. 21, 1963	+ 3.5
Oct. 4	1.9	Oct. 3	1.9		

(C-2-5)30ddd-1. Records available 1961-63

Mar. 31, 1961	+ 0.7	Mar. 15, 1962	+ 1.2	Mar. 13, 1963	+ 2.1
Oct. 4	- 3.7	Oct. 3	- 1.4		

(C-2-5)31aaa-1. Records available 1961-62

Apr. 19, 1961	+ 7.8	Mar. 15, 1962	+ 6.8	Oct. 10, 1962	+ 4.8
Oct. 4	2.2				

(C-2-5)31abc-1. Records available 1961-62

Apr. 19, 1961	+ 6.4	Mar. 7, 1962	- 1.6	Oct. 3, 1962	- 2.9
Oct. 25	- 3.9				

(C-2-5)31bbd-3. Records available 1937-63

Mar. 30, 1951	+17.9	Nov. 29, 1958	+11.4	June 30, 1960	+ 6.3
Dec. 18	17.9	Dec. 30	12.2	July 28	5.0
Apr. 10, 1952	18.5	Jan. 24, 1959	12.3	Sept. 7	3.7
Dec. 22	18.8	Mar. 7	12.8	Oct. 5	4.5
Dec. 11, 1953	17.4	Mar. 26	11.9	Oct. 27	5.5
Mar. 23, 1954	16.8	Apr. 25	10.8	Nov. 30	6.8
Apr. 1, 1955	16.0	May 23	8.7	Dec. 29	7.6
Dec. 9	12.9	June 25	7.8	Jan. 25, 1961	8.0
Apr. 12, 1956	14.0	July 28	6.9	Feb. 24	8.4
Dec. 14	11.4	Aug. 28	6.0	Mar. 29	8.4
Apr. 4, 1957	13.4	Sept. 24	6.3	Apr. 27	6.2
Dec. 12	10.9	Oct. 31	7.6	June 1	3.8
Mar. 19, 1958	13.0	Nov. 28	8.6	June 28	1.9
May 21	11.6	Dec. 30	8.9	Aug. 4	.6
June 19	11.2	Jan. 30, 1960	9.3	Sept. 27	1.1
July 23	9.4	Feb. 27	10.0	Mar. 7, 1962	6.3
Aug. 21	8.3	Apr. 4	10.2	Oct. 2	3.7
Sept. 24	9.1	May 10	8.0	Mar. 13, 1963	7.3
Oct. 25	10.1	June 2	8.0		

(C-2-5)31bdd-3. Records available 1942, 1958-63

Feb. 27, 1942	- 0.9	Feb. 20, 1960	- 6.9	Sept. 26, 1961	-12.0
Mar. 20, 1958	4.1	Apr. 4	6.4	Oct. 24	12.2
Sept. 24	6.3	May 10	6.3	Nov. 28	10.8
Oct. 25	5.7	June 1	6.6	Jan. 16, 1962	10.1
Nov. 29	5.2	June 30	7.6	Feb. 28	9.2
Dec. 30	4.9	July 27	8.5	Mar. 28	8.6
Jan. 24, 1959	4.9	Sept. 7	9.7	May 1	7.6
Feb. 28	4.6	Oct. 4	10.0	June 5	6.1
Mar. 23	4.6	Oct. 26	9.5	July 5	6.9
Apr. 25	5.1	Nov. 29	8.8	Aug. 2	7.4
May 23	5.1	Dec. 28	8.5	Sept. 6	8.7
June 24	6.5	Jan. 24, 1961	8.2	Sept. 26	9.2
July 27	7.3	Feb. 23	8.0	Oct. 26	9.0
Aug. 28	8.3	Mar. 29	8.0	Nov. 30	8.6
Sept. 23	8.4	Apr. 27	8.7	Dec. 27	8.2
Oct. 30	8.0	May 31	9.9	Jan. 30, 1963	8.1
Nov. 27	7.5	June 27	10.4	Feb. 28	8.0
Dec. 30	7.2	July 25	11.5	Mar. 25	7.9
Jan. 23, 1960	7.1	Sept. 1	12.3		

(C-2-5)31dad-3. Records available 1958-63

Mar. 20, 1958	- 0.2	Dec. 30, 1959	- 3.7	Sept. 1, 1961	-11.8
May 21	1.8	Jan. 23, 1960	3.4	Sept. 26	10.9
June 19	1.6	Feb. 20	3.2	Oct. 24	10.6
July 23	2.8	Mar. 30	2.8	Nov. 28	8.4
Aug. 20	3.2	May 10	4.6	Jan. 16, 1962	7.4
Sept. 24	4.2	June 1	5.3	Feb. 28	6.3
Oct. 25	2.9	June 30	6.5	Mar. 28	6.0
Nov. 29	2.1	July 27	6.9	May 1	6.1
Dec. 30	1.6	Sept. 7	8.3	June 5	5.5
Jan. 24, 1959	1.4	Oct. 4	8.6	July 5	7.3
Feb. 28	1.1	Oct. 26	7.0	Aug. 2	7.9
Mar. 23	1.1	Nov. 29	5.9	Sept. 6	8.4
Apr. 25	2.3	Dec. 28	5.1	Oct. 2	9.1
May 23	4.4	Jan. 24, 1961	4.7	Oct. 26	7.8
June 24	5.2	Feb. 23	4.5	Nov. 30	6.7
July 27	5.7	Mar. 29	4.5	Dec. 27	6.1
Aug. 28	6.6	Apr. 27	6.3	Jan. 30, 1963	5.7
Sept. 23	6.5	May 31	9.5	Feb. 28	5.4
Oct. 30	5.2	June 27	9.7	Mar. 25	5.2
Nov. 27	4.2	July 25	11.1	Aug. 26	11.7

(C-2-5)31dba-4. Records available 1942, 1958-62

Mar. 2, 1942	+ 8.4	Mar. 25, 1959	- 1.2	Oct. 3, 1961	-11.8
Apr. 17, 1958	- .4	Apr. 6, 1960	3.0	Mar. 7, 1962	6.2
Sept. 24	4.5	Mar. 31, 1961	4.6	Oct. 2	8.9

(C-2-5)32abc-3. Records available 1959-62

Mar. 25, 1959	+ 8.7	Apr. 6, 1961	+ 6.9	Mar. 7, 1962	+ 7.4
Apr. 7, 1960	8.3	Oct. 5	3.3		

(C-2-5)32cab-3. Records available 1961-62

Apr. 20, 1961	+ 0.1	Mar. 7, 1962	+ 0.1	Oct. 16, 1962	- 2.8
Oct. 5	- 4.8				

(C-2-5)32daa-1. Well formerly listed as (C-2-5)32daa-7. Records available 1958-62

Mar. 19, 1958	+ 2.4	July 28, 1959	- 5.7	Oct. 27, 1960	- 1.0
June 19	- 5.1	Aug. 28	6.0	Nov. 30	+ .4
July 23	4.4	Sept. 24	- 5.3	Dec. 29	.5
Aug. 20	.8	Nov. 28	+ .8	Jan. 25, 1961	.9
Sept. 24	3.5	Dec. 30	1.0	Feb. 24	.8
Oct. 26	- .3	Jan. 30, 1960	1.6	Mar. 29	+ .6
Nov. 29	+ 1.4	Feb. 27	1.9	Apr. 27	- 5.3
Dec. 31	2.0	Apr. 5	+ 1.5	June 1	7.7
Jan. 24, 1959	2.7	May 10	- 3.9	June 27	7.4
Mar. 7	2.5	June 2	3.6	July 25	5.8
Mar. 25	+ 1.8	June 30	7.2	Sept. 1	7.7
Apr. 25	- 2.9	July 28	6.1	Sept. 27	7.5
May 23	5.2	Sept. 7	5.1	Mar. 7, 1962	.7
June 29	2.9	Oct. 5	7.4	Oct. 16	4.6

(C-2-5)32dad-1. Records available 1961-63

Apr. 20, 1961	- 3.6	Jan. 16, 1962	- 3.0	Sept. 7, 1962	- 7.4
June 1	8.2	Mar. 2	2.6	Sept. 28	8.9
June 27	7.8	Mar. 29	2.7	Oct. 26	6.1
July 25	7.8	Apr. 5	3.8	Nov. 30	4.1
Sept. 1	8.3	May 1	6.0	Dec. 27	3.7
Sept. 27	7.7	June 5	7.0	Jan. 30, 1963	3.3
Oct. 25	6.3	July 6	9.0	Feb. 28	3.2
Nov. 29	3.1	Aug. 2	7.6	Mar. 25	3.4

(C-2-5)32dba-2. Records available 1961-62

Apr. 11, 1961	+ 3.1	Mar. 7, 1962	+ 2.1	Oct. 16, 1962	- 2.2

(C-2-5)33bcb-3. Records available 1941, 1961-63

Apr. 14, 1961	+12.2	Mar. 13, 1962	+ 9.9	Mar. 14, 1963	+10.1
Oct. 5	7.6	Oct. 16	6.3		

(C-2-5)33bdc-1. Records available 1961-63

Apr. 19, 1961	- 3.7	Oct. 25, 1961	- 6.0	June 5, 1962	- 7.0
Apr. 27	5.5	Nov. 28	4.0	July 5	7.0
May 31	6.7	Jan. 16, 1962	4.8	Aug. 2	6.2
July 25	6.2	Feb. 28	4.3	Sept. 6	7.4
Sept. 1	7.9	Mar. 28	4.4	Sept. 26	8.2
Sept. 26	6.7	May 1	7.1	Mar. 11, 1963	2.5

(C-2-5)33cba-2. Records available 1961-62

Apr. 14, 1961	+ 0.7	Oct. 5, 1961	- 3.9	Mar. 7, 1962	0.0

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley - Continued

(C-2-5)33dbb-2. Records available 1961-62

Apr.	6, 1961	+ 0.9	Mar.	7, 1962	+ 1.6	Oct. 19, 1962	- 1.8
Oct.	5	- 1.4					

(C-2-5)33dcd-1. Records available 1958, 1962-63

Mar.	14, 1958	-12.9	Mar.	8, 1962	-17.4	Mar. 13, 1963	-18.2
			Oct.	19	20.4		

(C-2-5)34abc-1. Records available 1941, 1958, 1961-63

Apr.	14, 1958	+ 1.0	Oct.	11, 1961	- 4.2	Mar. 11, 1963	- 2.6
Apr.	5, 1961	- 1.1	Mar.	7, 1962	2.2		
Sept.	29	6.0	Oct.	2	5.4		

(C-2-5)34add-1. Records available 1941-62
*Well cleaned - probably casing was damaged

Mar.	30, 1951	+11.2	Oct.	25, 1958	+ 3.8	May 10, 1960	- 4.5
Dec.	18	11.2	Nov.	28	4.4	June 1	5.4
Apr.	10, 1952	11.1	Dec.	30	4.8	June 29	5.5
Apr.	22, 1953	10.7	Feb.	7, 1959	5.2	July 27	3.0
Dec.	11	10.0	Feb.	28	5.2	Sept. 7	2.8
Mar.	23, 1954	8.3	Mar.	23	5.3	Oct. 4	3.0
Dec.	10	8.3	Apr.	24	3.6	Oct. 26	2.0
Apr.	1, 1955	8.8	May	30	3.4	Nov. 29	1.1
Dec.	9	6.5	June	24	3.1	Dec. 28	.7
Apr.	12, 1956	6.7	July	27	3.8	Jan. 24, 1961	.4
Dec.	14	5.6	Aug.	27	+ 3.2	Feb. 23	.3
Apr.	4, 1957	6.8	Sept.	7-9*		Mar. 29	.2
Dec.	12	4.8	Sept.	23	- 5.7	Apr. 27	1.7
Mar.	14, 1958	6.0	Oct.	30	5.1	May 31	3.1
May	21	4.6	Nov.	27	4.5	June 27	3.5
June	19	4.2	Dec.	30	3.8	July 25	4.1
July	23	3.9	Jan.	23, 1960	3.7	Sept. 1	4.4
Aug.	20	3.6	Feb.	20	3.6	Sept. 26	4.3
Sept.	24	3.6	Mar.	30	3.6	Mar. 6, 1962	1.6

(C-2-5)34bca-1. Records available 1961-62

Apr.	5, 1961	- 1.0	Mar.	7, 1962	- 2.1	Oct. 2, 1962	- 5.2
Oct.	18	4.3					

(C-2-5)35add-1. Records available 1961-63

Sept.	28, 1961	-31.0	Mar.	6, 1962	-29.9	Mar. 11, 1963	-30.8
			Sept.	28	31.9		

(C-2-5)35cbd-1. Formerly listed as 35cca-1. Records available 1958-59, 1961-63

Mar.	14, 1958	+ 2.5	Feb.	28, 1959	+ 2.0	Oct. 18, 1961	- 2.7
May	21	1.5	Mar.	23	+ 2.2	Mar. 6, 1962	1.2
June	19	1.4	Sept.	19, 1961	- 3.1	Sept. 28	4.2
Feb.	7, 1959	2.1	Sept.	27	3.1	Mar. 14, 1963	2.4

(C-2-5)36acd-1. Records available 1941, 1958-63

Mar.	13, 1958	-30.3	Jan.	23, 1960	-31.5	Sept. 1, 1961	-34.0
May	21	30.8	Feb.	20	31.4	Sept. 26	33.6
June	18	30.8	Mar.	30	31.3	Oct. 24	33.4
July	22	31.5	May	9	32.2	Nov. 28	33.2
Sept.	23	31.8	June	1	32.4	Jan. 16, 1962	33.0
Oct.	25	32.2	June	29	32.8	Feb. 28	32.9
Nov.	28	31.2	July	27	33.0	Mar. 28	32.8
Dec.	30	31.1	Sept.	7	33.2	May 1	33.0
Jan.	24, 1959	30.9	Oct.	4	32.9	May 23	33.4
Feb.	28	30.6	Oct.	26	32.7	July 5	34.3
Mar.	23	30.4	Nov.	29	32.5	Aug. 2	34.1
Apr.	24	31.0	Dec.	28	32.3	Sept. 6	34.7
June	24	31.7	Jan.	24, 1961	32.2	Sept. 26	34.5
July	28	32.3	Feb.	23	32.1	Oct. 29	34.0
Aug.	27	32.7	Mar.	29	32.1	Nov. 30	33.8
Sept.	23	33.0	Apr.	27	32.6	Dec. 27	33.7
Oct.	30	32.0	May	31	33.1	Jan. 30, 1963	33.5
Nov.	27	31.8	June	27	33.6	Feb. 28	33.5
Dec.	29	31.6	July	25	34.0		

(C-2-5)36dad-1. Records available 1940, 1958, 1961-62

Oct.	2, 1940	+ 8.6	July	22, 1958	+ 3.6	Sept. 27, 1961	- 3.4
Mar.	13, 1958	2.9	Aug.	20	3.3	Mar. 7, 1962	+ 1.1
May	21	3.9	Mar.	31, 1961	2.9	Oct. 2	- 2.5
June	19	3.2					

(C-2-5)36dcd-1. Records available 1960-63

Apr.	7, 1960	-43.4	Sept.	28, 1961	-49.1	Oct. 2, 1962	-47.9
Mar.	31, 1961	44.6	Mar.	14, 1962	45.5	Mar. 11, 1963	45.0

(C-2-6)14ddd-1. Records available 1961-63

Apr.	11, 1961	+26.4	Mar.	15, 1962	+27.7	Mar. 14, 1963	+25.4
Oct.	3	23.9	Oct.	3	24.4		

(C-2-6)23cbb-1. Records available 1941-48, 1950, 1957-59, 1962-63

Dec.	12, 1957	- 6.4	Nov.	29, 1958	- 6.8	July 5, 1962	- 9.0
May	8, 1958	6.3	Dec.	30	6.7	Aug. 2	9.2
July	23	6.5	Feb.	7, 1959	6.4	Sept. 6	9.4
Aug.	21	6.8	Mar.	7	6.5	Oct. 3	9.3
Sept.	24	6.9	Mar.	26	6.5	Mar. 13, 1963	8.2
Oct.	25	6.8					

(C-2-6)23cdc-2. Records available 1961-63

Sept.	27, 1961	-25.9	Mar.	8, 1962	-24.5	Mar. 13, 1963	-24.1
			Oct.	3	25.3		

(C-2-6)24add-1. Records available 1941, 1961-63

Apr.	11, 1961	+11.8	Oct.	18, 1961	+ 9.8	Oct. 3, 1962	+10.5
Oct.	4	10.0	Mar.	15, 1962	11.2	Mar. 14, 1963	11.4

(C-2-6)24cbb-2. Records available 1941, 1958-63

Mar.	27, 1958	+14.9	Sept.	8, 1960	+11.9	June 1, 1961	+12.9
Sept.	24	14.5	Oct.	5	11.5	June 28	12.7
Mar.	25, 1959	15.0	Oct.	27	12.7	July 26	11.7
May	30	14.6	Nov.	30	12.1	Sept. 5	12.3
June	25	14.5	Dec.	29	13.3	Sept. 27	11.4
June	2, 1960	13.4	Jan.	25, 1961	13.6	Mar. 15, 1962	13.7
June	30	13.6	Mar.	29	14.1	Oct. 3	12.8
July	28	11.9	Apr.	27	13.6	Mar. 14, 1963	14.0

(C-2-6)25abd-1. Records available 1941, 1958-63

Mar.	26, 1958	+ 9.6	July	28, 1959	+ 7.7	Oct. 27, 1960	+ 6.5
May	22	9.2	Aug.	28	7.2	Nov. 30	6.8
June	20	9.5	Sept.	24	7.1	Dec. 29	7.1
July	23	8.7	Oct.	31	7.3	Jan. 25, 1961	7.3
Aug.	21	8.3	Nov.	28	7.6	Feb. 23	7.6
Sept.	24	8.1	Dec.	30	7.9	Mar. 29	7.8
Oct.	26	8.2	Jan.	30, 1960	7.9	Apr. 27	7.5
Nov.	29	8.6	Feb.	27	8.2	May 31	7.1
Dec.	31	8.9	Apr.	4	8.4	June 28	6.5
Feb.	7, 1959	9.0	May	10	8.5	July 26	6.0
Mar.	7	9.2	June	2	8.0	Sept. 5	5.5
Mar.	26	9.3	June	30	7.6	Sept. 27	5.2
Apr.	25	9.0	July	28	6.7	Mar. 8, 1962	6.9
May	30	8.7	Sept.	8	6.4	Oct. 3	5.8
June	24	8.2	Oct.	5	6.2	Mar. 13, 1963	7.5

(C-2-6)25acd-4?. Records available 1961-63

Apr.	14, 1961	+13.8	Mar.	13, 1962	+11.4	Mar. 14, 1963	+12.7
Oct.	3	7.7	Oct.	3	8.7		

(C-2-6)25bcb-1. Records available 1961-62

Apr.	11, 1961	+ 4.5	Mar.	8, 1962	+ 4.0	Oct. 3, 1962	+ 3.3
Oct.	3	2.9					

(C-2-6)25cdc-3. Records available 1935, 1938, 1961-63

Nov.	17, 1935	+10.0	Oct.	18, 1961	- 0.8	Oct. 9, 1962	+ 1.6
Oct.	21, 1938	+11.5	Mar.	14, 1962	+ 3.0	Mar. 13, 1963	4.2

(C-2-6)26adb-1. Records available 1941, 1961-63

Apr.	14, 1961	+ 7.8	Oct.	18, 1961	+ 4.9	Oct. 3, 1962	+ 5.5
Oct.	3	2.9	Mar.	8, 1962	6.8	Mar. 21, 1963	7.8

(C-2-6)36abd-1. Records available 1961-62

Apr.	20, 1961	- 4.4	Mar.	7, 1962	- 4.9	Oct. 9, 1962	- 6.4
Oct.	5	10.8					

(C-2-6)36acc-2. Records available 1958, 1961-63
*airline measurement

Mar.	19, 1958	-35.2	Sept.	27, 1961	-50*	Oct. 2, 1962	-48*
Apr.	19, 1961	44*	Mar.	7, 1962	45*	Mar. 13, 1963	45*

(C-2-6)36baa-8. Records available 1936-45, 1961-62

Apr.	12, 1961	- 0.4	Oct.	25, 1961	- 5.7	Mar. 14, 1962	- 2.8
Oct.	3	7.1	Nov.	28	4.5	Oct. 9	3.7

(C-2-6)36bac-1. Records available 1940-63

Apr.	12, 1956	-23.5	Sept.	23, 1959	-31.3	June 27, 1961	-34.3
Dec.	14	26.5	Oct.	30	29.6	July 25	35.4
Apr.	2, 1957	25.1	Nov.	27	29.3	Sept. 1	36.1
July	19	25.5	Dec.	30	28.9	Sept. 26	36.9
Dec.	12	25.7	Jan.	30, 1960	28.8	Oct. 24	36.0
Apr.	17, 1958	24.6	Feb.	20	28.3	Nov. 28	34.1
May	21	23.6	Apr.	4	28.0	Jan. 16, 1962	33.0
June	20	23.9	May	10	28.7	Mar. 2	32.1
July	23	27.0	June	1	29.2	Mar. 28	31.6
Aug.	21	28.1	June	30	30.6	May 1	30.3
Sept.	24	28.6	July	27	32.5	June 5	30.1
Oct.	25	27.3	Sept.	7	33.1	July 5	31.0
Nov.	29	26.8	Oct.	4	32.8	Aug. 2	32.7
Dec.	30	25.8	Oct.	26	32.2	Sept. 6	33.7
Jan.	24, 1959	25.9	Nov.	29	31.2	Sept. 26	34.4
Mar.	7	25.4	Dec.	29	30.7	Oct. 26	33.0
Mar.	26	25.7	Jan.	24, 1961	30.2	Nov. 30	31.9
Apr.	25	27.1	Feb.	23	29.8	Dec. 27	31.4
May	23	28.1	Mar.	29	30.0	Jan. 30, 1963	31.0
June	24	29.1	Apr.	27	32.0	Feb. 28	30.7
July	27	29.9	May	31	33.4	Mar. 25	30.5
Aug.	28	31.1					

(C-2-6)36dcc-1. Listed previously as 36cdd-1. Water-level recorder installed June 22, 1940. Water levels reported for subsequent dates to Jan. 1, 1962 are at noon, after which water levels are reported at highest level during the day. The water levels are taken from recorder charts. Records available 1937, 1940-63

Jan.	31, 1956	-82.8	Mar.	31, 1957	-83.9	June 30, 1958	-83.0
Feb.	29	82.2	Apr.	30	83.7	July 31	85.3
Mar.	17	81.1	May	31	82.3	Aug. 31	86.9
Mar.	31	81.7	June	30	81.4	Sept. 24	87.6
Apr.	30	82.0	July	31	84.0	Sept. 30	87.2
May	29	82.7	Aug.	31	85.4	Oct. 31	86.1
June	30	84.5	Sept.	30	86.8	Nov. 30	85.4
July	31	86.1	Oct.	18	86.2	Dec. 31	84.8
Aug.	31	87.3	Nov.	30	84.9	Jan. 31, 1959	84.6
Sept.	16	87.8	Dec.	31	84.4	Feb. 28	84.0
Sept.	30	86 9	Jan.	31, 1958	84.3	Mar. 5	83.9
Oct.	31	86.1	Feb.	24	84.0	Mar. 31	84.1
Nov.	30	85.4	Mar.	31	83.5	Apr. 30	85.5
Dec.	31	85.0	Apr.	30	82.5	May 31	86.8
Jan.	27, 1957	84.8	May	31	81.6	June 24	87.8
Feb.	28	84.3	June	8	81.5	July 31	89.1

Table 2.--Water levels and artesian pressures in observation wells in Tooele Valley - Continued

(C-2-6)36dcc-1 - Continued						
Aug. 30, 1959	-90.4	Feb. 28, 1961	-89.0	July 31, 1962	-90.7
Sept. 28	90.7	Mar. 15	88.8	Aug. 31	93.0
Sept. 30	90.4	Mar. 31	89.4	Sept. 19	93.8
Oct. 31	89.1	Apr. 30	91.5	Sept. 30	93.2
Nov. 30	88.5	May 31	93.0	Oct. 31	92.2
Dec. 31	87.7	June 30	94.1	Nov. 30	91.4
Jan. 30, 1960	87.7	July 31	95.2	Dec. 31	90.7
Feb. 29	87.2	Aug. 31	96.3	Jan. 31, 1963	90.3
Mar. 31	87.1	Sept. 30	97.1	Feb. 28	90.0
Apr. 30	86.6	Oct. 7	97.4	Mar. 28	89.5
May 2	86.5	Oct. 31	95.9	Mar. 31	89.6
May 31	86.9	Nov. 30	94.1	Apr. 30	91.4
June 30	88.9	Dec. 31	93.2	May 31	90.7
July 31	91.2	Jan. 31, 1962	92.3	June 21	89.9
Aug. 31	92.0	Feb. 28	91.4	June 30	90.0
Sept. 30	93.0	Mar. 31	90.5	July 31	92.7
Oct. 28	92.0	Apr. 30	89.6	Aug. 31	95.1
Nov. 30	90.8	May 31	88.1	Sept. 30	95.7
Dec. 31	90.1	June 13	87.9	Oct. 7	95.8
Jan. 31, 1961	89.4	June 30	88.4	Oct. 25	94.9

(C-3-4)28cdc-1. Records available 1962-63					
Sept. 14, 1962	-350.9	Oct. 29, 1962	-347.3	Mar. 25, 1963	-348.9
Sept. 25	349.3	Nov. 30	346.3		

(C-3-5)4bbb-2. Records available 1957, 1959-63					
Nov. 20, 1957	-13.9	Mar. 30, 1961	-16.1	Oct. 2, 1962	-21.7
Mar. 25, 1959	14.3	Oct. 3	20.4	Mar. 13, 1963	18.0
Apr. 6, 1960	15.1	Mar. 7, 1962	17.2		

(C-3-5)5aba-1. Records available 1958-62					
Apr. 24, 1958	- 8.9	Aug. 28, 1959	-16.3	Nov. 29, 1960	-11.9
Sept. 24	13.7	Sept. 23	15.4	Dec. 28	11.4
Oct. 25	11.7	Oct. 30	11.9	Jan. 24, 1961	11.2
Nov. 29	10.1	Nov. 27	11.0	Feb. 23	11.0
Dec. 30	9.7	Dec. 30	9.6	Mar. 29	11.5
Jan. 24, 1959	9.3	Jan. 23, 1960	10.2	Apr. 27	16.1
Feb. 28	9.2	Feb. 20	10.1	Sept. 27	17.9
Mar. 23	9.5	Mar. 30	10.2	Oct. 3	16.3
May 23	15.4	July 27	16.3	Mar. 6, 1962	12.8
June 29	13.1	Oct. 26	13.2	Oct. 2	18.0

(C-3-5)5ada-1. Records available 1961-63					
Sept. 27, 1961	-31.5	Mar. 6, 1962	-26.5	Mar. 13, 1963	-27.3

(C-3-5)7abc-1. Records available 1960-63 *airline measurement					
Apr. 7, 1960	-138*	Oct. 18, 1961	-149*	Oct. 9, 1962	-146*
Mar. 31, 1961	140*	Mar. 7, 1962	143*	Mar. 13, 1963	142*

(C-3-5)7dcc-1. Records available 1957-63 *airline measurement					
July 12, 1957	-204.5	Jan. 30, 1960	-207*	Jan. 25, 1961	-209*
Nov. 20	204.4	Feb. 27	207*	Mar. 29	208*
Mar. 20, 1958	202.9	Apr. 4	206*	Apr. 27	209*
Sept. 25	205.7	July 28	212*	July 26	216*
Nov. 29	206*	Sept. 7	212*	Sept. 5	216*
Dec. 31	205*	Oct. 5	212*	Sept. 27	216*
Feb. 7, 1959	204*	Oct. 27	212*	Mar. 7, 1962	212*
Mar. 7	204*	Nov. 30	211*	Oct. 9	213.7
Mar. 26	204*	Dec. 29	210*	Mar. 13, 1963	211*
July 28	210*				

(C-3-6)1bdb-1. Records available 1957-63					
Nov. 20, 1957	-159.2	Oct. 31, 1959	-163.2	Nov. 30, 1960	-164.7
Mar. 4, 1958	157.6	Nov. 28	162.4	Dec. 29	163.8
May 22	167.0	Jan. 30, 1960	161.2	Jan. 25, 1961	163.1
Oct. 26	160.2	Feb. 27	160.9	Feb. 23	162.8
Nov. 29	159.5	Apr. 4	160.6	Oct. 18	172.8
Dec. 31	158.8	May 10	160.5	Mar. 6, 1962	164.8
Feb. 7, 1959	158.2	June 2	160.9	Oct. 2	166.8
Mar. 7	157.9	Oct. 5	167.2	Mar. 13, 1963	163.5
Mar. 26	157.8	Oct. 27	166.1		

(C-3-6)1cbd-1. Records available 1954-57, 1961-62 *airline measurement g - measured by Grantsville City					
Apr. 8, 1954	-187*g	Sept. 29, 1955	-195*g	Sept. 11, 1961	-204*g
May 11	186*g	May 3, 1956	191*g	Apr. 4, 1962	197*g
June 17	186*g	Nov. 2	195*g	May 29	196*g
Aug. 30	191*g	Apr. 11, 1957	191*g	Oct. 9	198*
May 7, 1955	189*g	June 21	201*g		

Table 3.--Selected drillers' logs of wells in Tooele Valley

Altitudes are in feet above sea level for the land surface at the well.

Thickness in feet. Depth in feet below the land surface.

	Thickness	Depth
(C-1-6)22ddc-1. Log by Ivan Hale. Alt. 4,210 ft.		
Top soil	1	1
Sand and clay	194	195
Clay	40	235
Sand and clay	80	315
Hardpan	2	317
Clay	78	395
Hardpan	1	396
Clay	12	408
Fine sand	32	440
Clay and sand	33	473
Sand	74	547
Sand and clay	55	602
Sand	18	620
Clay and sand	10	630
(C-2-4)2baa-3. Log by J. S. Lee and Sons Drilling Co. Alt. 4,237 ft.		
Brown clay	15	15
Gray clay	70	85
Brown clay	65	150
Coarse sand with water	89	239
Clay and gravel	5	244
Blue clay and gravel	11	255
Small gravel and sand with water	74	329
Gravel	7	336
Cemented gravel	49	385
Clay	5	390
Conglomerate	10	400
Clay and gravel	25	425
Conglomerate	5	430
Clay	22	452
(C-2-4)9cda-1. Log by J. S. Lee and Sons Drilling Co. Alt. 4,235 ft.		
Clay	18	18

	Thickness	Depth
(C-2-4)9cda-1 - Continued		
Silt	7	25
Clay and sand	33	58
Clay	210	268
Clay and gravel	11	279
Clay	178	457
Clay and gravel	106	563
Clay	24	587
Clay and gravel	65	652
Gravel	9	661
Clay and gravel	7	668
Bedrock	19	687
(C-2-4)15cdc-1. Log by Selby Drilling Co. Alt. 4,320 ft.		
Surface fill	14	14
Gravel	21	35
Clay	3	38
Gravel, water at 48 ft	44	82
No log	8	90
Clay	4	94
Large gravel	12	106
Clay	5	111
Gravel	8	119
Clay with thin beds of gravel	28	147
Gravel, warm water	11	158
Clay and thin gravel beds	30	188
Gravel; water, a little salty	12	200
Clay and thin gravel beds	75	275
Hard conglomerate	6	281
Warm salt water	24	305
(C-2-4)28aac-1. Log by Robinson Drilling Co. Log compiled from driller's reports to the Utah State Engineer and the U.S. Soil Conservation Service. Alt. 4,337 ft.		
Topsoil	5	5
Clay, yellow	45	50

	Thickness	Depth
(C-2-4)28aac-1 - Continued		
Sand, fine, making water; sand running into hole	5	55
Sand, fine; and little gravel	10	65
Clay, gray; and little large gravel	10	75
Clay, blue, sticky	15	90
Clay, blue, sandy	10	100
Gravel, water; and sand	50	150
Sand with thin clay streaks	30	180
Clay, yellow, sticky	5	185
(C-2-4)31cda-2. Log by M. Church Drilling Co. Alt. 4,359 ft.		
Gray clay	28	28
Sand, gravel	3	31
Gray clay	28	59
Fine sand	18	77
Sand and gravel	2	79
Gray clay	41	120
Sand	28	148
Gravel	2	150
Brown clay	25	175
Gravel	9	184
Sand	2	186
Gravel	74	260
Clay and boulders, brown	79	339
Gravel	6	345
Brown clay	51	396
Sand	1	397
Clay	8	405
Gravel	5	410
Clay	5	415
Gravel	17	432
Pink clay	17	449
Gravel	50	499
Pink clay (hole bottomed in clay)	1	500

Table 3.--Selected drillers' logs of wells in Tooele Valley - Continued

	Thickness	Depth
(C-2-4)33bdd-1. Log by Ivan Hale. Log compiled from driller's report to the Utah State Engineer and oral communication with the driller. Alt. 4,395 ft.		
Topsoil	2	2
Clay	23	25
Surface water	2	27
Clay	9	36
Sand and pea gravel	20	56
Clay	38	94
Hardpan	2	96
Clay	7	103
Hardpan	2	105
Clay	7	112
Hardpan	2	114
Clay	22	136
Sand and pea gravel	5	141
Clay	11	152
Hardpan	2	154
Clay	6	160
Hardpan	4	164
Clay	8	172
Sand, pea gravel, and water	5	177
Clay	2	179
Sand, pea gravel, and water	9	188
Clay	3	191
Sand and pea gravel	4	195
Hardpan	2	197
Clay	6	203
Fine gravel and clay	27	230
Clay	7	237
Sand	2	239
Clay	4	243
Hardpan	3	246
Clay	12	258
Hardpan	2	260
Clay	24	284
Hardpan	4	288
Sand and pea gravel	2	290
Clay	7	297
Sand and pea gravel	7	304
Clay	6	310
Hardpan	4	314
Sand	8	322
Sand and pea gravel	20	342
Sand	2	344
Sand and pea gravel	20	364
Clay	10	374
Hardpan	2	376
Clay	8	384
Hardpan	3	387
Clay	7	394
Hardpan	1	395
Sand and pea gravel	26	421
(C-2-4)35cbc-1. Log by Robinson Drilling Co. Alt. 4,492 ft.		
Topsoil	2	2
Brown clay	7	9
Coarse gravel	3	12
Yellow clay	12	24
Coarse gravel	8	32
Sand and coarse gravel	3	35
Sand, clay, and gravel	13	48
Yellow clay and gravel	12	60
Sandy yellow clay	25	85
Hard gravel and clay	5	90
Clay and gravel	20	110
Coarse gravel, hard	6	116
Soft yellow clay	20	136
Coarse gravel and some yellow clay	7	143
Coarse gravel, making little water	2	145
Gravel and clay	17	162
Sand and clay	3	165
Sand and coarse gravel, little water	3	168
Soft yellow clay	8	176
Coarse hard gravel	4	180
Yellow clay with some gravel	12	192
Gravel and sand	5	197
Gravel and clay	13	210
Sand and coarse gravel	10	220
Coarse gravel with sand and clay	15	235
Gravel and yellow clay	11	246
Soft yellow clay	19	265
Coarse gravel, water	24	289
Coarse gravel and clay	1	290
Coarse gravel, water	14	304
(C-2-5)17bcd-3. Log by M. Church Drilling Co. Alt. 4,226 ft.		
Clay, tan	8	8
Gravel	1	9
Clay, gray	250	259
(C-2-5)17bcd-3 - Continued		
Gravel	0.5	259.5
Clay	111.5	371
Sand and gravel	13	384
Clay	39	423
Gravel	3	426
Clay	9	435
(C-2-5)27add-1. Log by Selby Drilling Co. Alt. 4,262 ft.		
Surface fill	8	8
Blue clay	34?	42?
Gravel	6?	48?
Brown clay	49?	97
Gravel	34	131
Clay	16	147
Gravel	12	159
Clay	7	166
Gravel	39	205
Clay	28?	233?
Gravel	30?	263
Clay	14	277
Cemented gravel	4	281
Clay	12	293
Gravel	17	310
Clay	3	313
Gravel, flowing water	9	322
Clay	12	334
Gravel, flow	12	346
Clay	4	350
Gravel	5	355
(C-2-5)28bca-1. Log by M. Church Drilling Co. Alt. 4,252 ft.		
Clay	19	19
Sand and gravel, salty water at 19 ft	5	24
Clay	46	70
Sand	19	89
Gravel	5	94
Clay	55	149
Sand and gravel	9	158
Clay	3	161
Sand	7	168
Clay	129	297
Clay and silt	10	307
Clay	13	320
Gravel	12	332
Clay	3	335
(C-2-5)30dcc-1. Log by J. S. Lee and Sons Drilling Co. Alt. 4,267 ft.		
Topsoil	6	6
Sand and clay	148	154
Water gravel	2	156
Clay	49	205
Water gravel and sand	46	251
Clay	89	340
Gravel and clay layers	28	368
Water gravel	7	375
Clay	17	392
Gravel	5	397
Clay	7	404
Clay and gravel layers	21	425
Clay	30	455
Gravel	6	461
Clay	26	487
Water gravel and clay layers	23	510
(C-2-5)33dad-3. Log by Selby Drilling Co. Alt. 4,301 ft.		
Surface soil	5	5
Hard clay	4	9
Clay interbedded with gravel	30	39
Gravel, large amount of water	80	119
Clay	70	189
Gravel	3	192
Fine sand	5	197
Gravel, water	7	204
Clay	7	211
Gravel, water	6	217
Clay	2	219
Fine sand	5	224
Clay	11	235
Fine sand, some water	17	252
Clay	4	256
Fine sand	4	260
Gravel cemented with lime	16	276
Clay	6	282
Gravel, some water	11	293
Sand and gravel	23	316
Clay	4	320
Sand and gravel, water	14	334
Sand and clay	24	358
Gravel	12	370
Clay	25	395
Gravel, water	5	400
(C-2-5)35add-1. Log by Ivan Hale. Alt. 4,308 ft.		
Top soil	3	3
Clay and gravel	52	55
Gravel, water	13	68
Sand, blue; and gravel	13	81
Conglomerate, blue	9	90
Clay, blue	8	98
Clay, blue; and gravel	32	130
Sand, blue	12	142
Hardpan, blue	4	146
Clay, blue; and gravel	49	195
Clay, blue	45	240
Clay and sand, blue	30	270
Silt and sand, blue	47	317
Hardpan, blue	2	319
Clay, blue	76	395
Hardpan, blue	2	397
Sand, blue	33	430
Gravel, water	4	434
Clay, brown	23	457
Sand, gray	1	458
Gravel, water	2	460
Clay	4	464
Gravel, water	4	468
Clay, brown	3	471
Gravel, water	2	473
Clay	30	503
Gravel	10	513
(C-2-5)36bdd-1. Log by Robinson Drilling Co. Alt. 4,316 ft.		
Sandy clay	50	50
Water gravel	8	58
Clay	6	64
Fine sand	16	80
Fine sand and large gravel	22	102
Clay	3	105
Fine sand	24	129
Gumbo clay	36	165
Fine sand	23	188
Water gravel	2	190
Fine sand	5	195
Clay	35	230
Fine sand	46	276
Clay	9	285
Fine sand	10	295
Clay	50	345
Clay and boulders	20	365
Water gravel	1	366
Clay	19	385
Water gravel	10	395
Clay	5	400
Sand	5	405
Hardpan	3	408
Coarse sand	2	410
Water gravel	12?	422?
Clay	23?	445
(C-2-6)14ddd-1. Log by J. S. Lee and Sons Drilling Co. Alt. 4,238 ft.		
Topsoil	6	6
Clay, gray	124	130
Gravel, little water	1	131
Gray clay	69	200
Red clay	70	270
Hardpan	5	275
Gravel, water, little	3	278
Red sandy clay	12	290
Hardpan	5	295
Red clay	10	305
Sandy clay	10	315
Gravel, water	5	320
Clay	50	370
Hardpan	10	380
Sand, gravel, and water	10	390
Clay and sand	35	425
Sand and gravel, water	9	434
(C-2-6)23cdc-2. Log by J. S. Lee and Sons Drilling Co. Alt. 4,295 ft.		
Topsoil	4	4
Boulders	14	18
Clay and gravel, surface water	12	30
Clay	10	40
Clay, gravel, and boulders	105	145
Conglomerate	255	400
(C-2-6)36acc-2. Log by J. S. Lee and Sons Drilling Co. Alt. 4,332 ft.		
Topsoil	8	8
Gravel and clay	14	22
Sand and clay	8	30
Clay and gravel	22	52
Water gravel	3	55

4927
575
4352

Table 3.--Selected drillers' logs of wells in Tooele Valley - Continued

	Thickness	Depth
(C-2-6)36acc-2 - Continued		
Sand and clay	13	68
Sand, gravel, and clay	159	227
Water gravel	9	236
Sand and gravel with clay	69	305
Gravel	5	310
Sand and gravel with clay streaks and water in streaks	155	465
(C-3-4)29cba-1. Log by J. S. Lee and Sons Drilling Co. Alt. 4,927 ft.		
Topsoil	1	1
Clay, gravel, and boulders	34	35
Clay and gravel	395	430
Conglomerate	130	560
Water gravel	15	575
Clay and gravel	7	582
Limestone bedrock	4	586
(C-3-5)7dcc-1. Log by Selby Drilling Co. Alt. 4,508 ft.		
Surface soil	3	3
Gravel and boulders	47	50
Clay and gravel	83	133
Clay and boulders	38	171
Clay and gravel	34	205
Water	25	230
Clay	8	238
Clean large gravel	157	395
(C-3-6)36aac-1. Log by J. S. Lee and Sons Drilling Co. Alt. 5,015 ft.		
Topsoil	1	1
Cemented gravel	2	3
Boulders	3	6
Dry gravel	29	35
Sand	20	55
Sandy clay	7	62
(C-3-6)36aac-1 - Continued		
Blue clay	21	83
Gravel	18	101
Conglomerate	33	134
Clay and gravel	16	150
Conglomerate	488	638
Water gravel and conglomerate	74	712
Clay and gravel	18	730
Clay	15	745
Sand and gravel	5	750
Clay, gravel, and sand	30	780
(C-4-4)7aaa-1. Log by Ivan Hale. Alt. 5,150 ft.		
Topsoil	1	1
Sand, gravel, and soil	49	50
Sand, gravel, and boulders	30	80
Coarse sand mixed in clay	290	370
Hardpan	3	373
Clay with streaks of hardpan	27	400
Fine sand with water	25	425

Table 4.--Chemical analyses of water from selected wells, springs, and streams in Tooele Valley
(Analyses by U.S. Geological Survey except as noted)

Well number or sampling-site location number	Date of collection	Depth of well (feet); if spring, S; if stream, SW	Temperature (°F)	Parts per million: Silica (SiO_2)	Iron[1] (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K: Sodium (Na)	Na + K: Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids[2]	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (Micromhos/cm at 25°C)	pH
(C-1-4)26ddd-1	12-28-60	227	-	12	0.01	-	87	56	548	25	263	0.0	53	975	0.2	0.9	0.28	1,890	448	232	71	11	3,490	7.8
	5-31-61		62	-	-	-	-	-	-	-	270	0	-	935	-	-	-	-	-	-	-	-	3,400	7.6
	11-24-61		-	14	.01	-	72	57	533	24	230	0	48	960	.2	2.3	.22	1,820	415	226	72	11	3,550	8.1
34bab-1	11-24-61	400	-	-	-	-	-	-	-	-	-	-	-	23,900	-	-	-	-	-	-	-	-	60,300	-
(C-2-4)2aba-1	3-23-59	232	58	17	-	-	17	10	330		326	0	36	352	-	.5	-	922	85	0	89	16	1,660	8.2
	7- 1-59		58	16	-	-	19	8.8	332		326	0	42	350	-	1.5	-	929	84	0	90	16	1,670	7.9
	9-23-59		58	13	-	-	18	9.7	332		322	0	44	350	-	2.6	-	927	84	0	90	16	1,680	7.9
	12-29-59		-	17	-	-	10	15	327		316	0	36	355	-	.8	-	916	86	0	89	15	1,670	8.1
	3-30-60		58	18	-	-	18	8.5	336		321	0	40	358	-	1.0	-	938	81	0	90	16	1,660	8.0
	10- 4-60		59	15	.00	-	17	14	323	4.3	313	0	47	355	.6	.3	.12	3/933	98	0	87	14	1,670	8.0
2adc-1	3- 6-58	40	-	17	-	-	82	35	257		299	0	61	422	-	5.0	-	1,030	348	103	62	6.0	1,860	7.6
2baa-3	7-17-58	452	-	13	-	-	45	30	385		274	0	46	565	-	3.7	-	1,220	235	10	78	11	2,240	8.2
2dba-1	3- 6-58	36	-	16	-	-	103	50	358		272	0	154	605	-	3.3	-	1,420	460	237	63	7.3	2,560	7.5
8cdc-1	3-26-59	345	57	47	-	-	45	38	171		204	0	3.7	333	-	.5	-	738	270	103	58	4.5	1,370	8.0
	6-29-59		57	42	-	-	42	39	183		198	0	16	342	-	1.0	-	762	264	102	60	4.9	1,390	7.8
	9-24-59		57	44	-	-	42	40	162		196	0	4.5	325	-	1.8	-	715	272	111	56	4.3	1,370	7.9
	12-30-59		54	45	-	-	43	40	168		196	0	2.9	335	-	1.3	-	731	272	111	57	4.4	1,370	8.0
	4- 5-60		57	47	-	-	42	41	175		198	0	7.8	340	-	.8	-	751	271	109	58	4.6	1,370	7.8
	10- 5-60		57	49	.00	-	49	36	168	3.0	200	0	2.1	338	.6	1.1	.14	3/786	270	106	57	4.4	1,360	8.0
9cda-1	2-28-63	687	86	30	-	-	112	44	894		231	0	66	1,520	-	1.2	-	2,780	460	271	81	18	5,200	7.5
10bca	11-29-61	S	-	16	.00	-	79	24	244		280	0	76	365	.3	.1	-	3/942	294	64	64	6.2	1,720	8.0
10bcd-1	9- 6-62	133	62	-	-	-	-	-	-	-	-	-	-	638	-	-	-	-	-	-	-	-	2,590	-
15cac	8-22-58	S	64	25	-	-	76	41	288		242	0	144	450	-	4.6	-	1,150	360	162	64	6.6	1,990	7.6
15cdc-1[4]	3-21-55	305	-	18	.02	-	118	48	543	13	281	0	263	840	.1	4.5	.13	1,990	492	262	70	11	3,420	7.3
	6-27-61	129	61	19	.00	-	122	43	321		292	0	277	460	-	2.7	-	1,390	480	241	59	6.4	2,330	7.5
17dad-1	11-29-61	-	62	-	-	-	-	-	-	-	-	-	-	262	-	-	-	-	-	-	-	-	1,300	-
17dcd-1	11-24-61	-	58	-	-	-	-	-	-	-	-	-	-	282	-	-	-	-	-	-	-	-	1,350	-
19dbb-1	8-22-62	100	-	-	-	-	-	-	-	-	-	-	-	260	-	-	-	-	-	-	-	-	1,270	-
20ddc-1	6-12-59	120-170	52	13	-	-	41	13	158		292	0	25	165	-	3.1	-	562	158	0	68	5.4	997	7.8
21add-1	7-28-59	90	55	19	-	-	116	56	151		301	0	378	145	-	4.4	-	1,020	520	273	39	2.9	1,540	7.7
22ccb-4	6-11-59	96	54	21	-	-	141	57	167		291	0	352	242	-	6.4	-	1,130	588	349	38	3.0	1,760	7.6
	4-12-61		56	20	.02	-	133	52	154	5.4	295	0	283	246	.2	6.8	.15	1,050	546	304	38	2.9	1,670	7.8
	10- 3-61		56	24	-	-	160	41	160		290	0	325	238	-	4.4	-	1,100	568	330	38	2.9	1,670	7.6
	6-19-62		56	-	-	-	-	-	170		292	0	348	268	-	-	-	3/1,210	610	371	38	3.0	1,840	7.8
27ddd-1	9-11-62	270	-	-	-	-	-	-	-	-	-	-	-	143	-	-	-	-	-	-	-	-	1,070	-
28aab-1	10- 5-61	173	56	-	-	-	-	-	-	-	287	0	-	71	-	-	-	-	-	-	-	-	722	7.5
28aac-1	6-27-61	185	56	15	.00	-	67	21	72		300	0	66	66	-	2.4	-	3/446	254	8	38	1.9	768	7.7
28acd-3	3-23-59	190	55	13	-	-	66	25	48		284	0	68	43	-	9.6	-	413	267	34	28	1.3	702	7.7
	6-29-59		55	13	-	-	67	25	50		284	0	74	44	-	8.9	-	422	269	36	29	1.3	700	7.8
	9-23-59		55	13	-	-	61	30	48		282	0	72	48	-	8.9	-	420	276	45	27	1.3	709	7.9
	12-29-59		55	12	-	-	63	29	43		276	0	72	43	-	10	-	408	276	50	25	1.1	709	7.8
	3-30-60		55	14	-	-	58	27	46		231	10	74	45	-	10	-	397	254	48	28	1.3	671	8.5
	10- 4-60		55	13	.01	-	72	22	53	1.0	269	0	92	44	.1	7.7	.06	3/442	272	51	30	1.4	709	7.7

Table 4.--Chemical analyses of water from selected wells, springs, and streams in Tooele Valley - Continued

Well number or sampling-site location number	Date of collection	Depth of well (feet); if spring, S; if stream, SW	Temperature (°F)	Parts per million																			Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron[1] (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K		Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids[2]	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$						
									Sodium (Na)	Potassium (K)																
(C-2-4)29bcd-1	8-20-58	300	55	22	-	-	42	20	147		269	0	28	182	-	1.4	-	574	187	0	63	4.7	1,030	8.1
30ccb-1	8-20-58	224	57	49	-	-	37	15	139		252	0	29	150	-	1.2	-	542	152	0	66	4.8	883	7.9
30cdd-1	8-22-58	228	57	26	-	-	55	18	105		288	0	28	122	-	5.0	-	501	212	0	52	3.2	845	7.4
31aad-1	8-20-58	206	58	18	-	-	51	20	91		278	0	28	105	-	5.3	-	455	211	0	48	2.7	809	7.6
31acc-9	8-18-58	180-200	63	17	-	-	56	20	135		273	0	28	182	-	5.8	-	578	221	0	57	3.9	1,070	8.0
31ada-1	8-20-58	200	60	21	-	-	50	18	107		268	0	29	124	-	9.9	-	491	200	0	54	3.3	843	7.8
	3-23-59		60	17	-	-	55	19	105		285	0	28	122	-	11	-	497	216	0	51	3.1	883	7.7
	7- 1-59		60	17	-	-	53	19	115		296	0	31	124	-	11	-	516	210	0	54	3.4	889	7.6
	9-23-59		60	12	-	-	49	24	102		283	0	25	124	-	9.7	-	485	220	0	50	3.0	878	7.8
	12-29-59		-	15	-	-	51	24	101		278	0	28	127	-	10	-	493	224	0	50	2.9	891	7.8
	3-30-60		60	18	-	-	53	20	109		284	0	30	126	-	11	-	507	214	0	52	3.2	874	8.0
	10- 4-60		60	14	0.00	-	48	18	106	1.8	258	0	26	122	0.2	12	0.08	475	196	0	54	3.3	836	7.9
31add-2	8-18-58	202	61	17	-	-	52	19	96		272	0	28	112	-	9.7	-	468	209	0	50	2.9	846	7.9
31bcb-1	8-18-58	343	63	16	-	-	65	23	124		258	0	30	198	-	2.9	-	586	254	42	52	3.4	1,090	8.0
	12-28-60		62	17	.01	-	66	25	119	3.2	262	0	27	198	.1	5.9	.05	3/605	268	53	49	3.2	1,080	7.9
	5-31-61		63	-	-	-	-	-	-	-	270	0	-	196	-	-	-	-	-	-	-	-	1,070	7.7
	10-24-61		63	20	-	-	75	20	122		273	0	36	191	-	5.7	-	3/604	270	46	50	3.2	1,060	7.8
31bdc-2	8-18-58	260	63	15	-	-	52	19	136		244	6	35	180	-	6.0	-	569	209	0	59	4.1	1,030	8.3
31caa-5	8-18-58	172	62	16	-	-	43	17	168		270	0	33	200	-	4.8	-	615	177	0	67	5.5	1,110	8.1
31dac-3	8-20-58	174	60	15	-	-	54	19	98		280	0	28	112	-	11	-	475	212	0	50	2.9	863	7.8
31dad-2	8-20-58	450	62	14	-	-	55	18	107		285	0	30	120	-	13	-	497	212	0	52	3.2	880	8.0
31dbd-2	8-20-58	183	59	13	-	-	44	19	99		241	0	32	118	-	12	-	456	191	0	53	3.1	808	8.1
32abc-1	8-20-58	272	58	13	-	-	51	19	181		280	0	28	240	-	3.4	-	673	206	0	66	5.5	1,230	7.9
32bdd-1	8-18-58	213	58	17	-	-	72	28	167		249	0	29	302	-	.8	-	738	297	93	55	4.2	1,390	7.7
33aab-1	12-18-59	403	58	11	-	-	41	16	65		264	0	23	46	-	1.4	-	333	166	0	46	2.2	601	7.8
	9- 7-62		60	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	612	-
33add-1	12-30-58	165	56	12	-	-	58	21	48		256	0	55	42	-	9.2	-	371	230	20	31	1.4	634	7.6
33bbb-1	8-20-58	277	58	13	-	-	38	14	134		284	0	26	128	-	2.6	-	496	151	0	66	4.7	885	7.5
	12-28-60		56	14	.01	-	41	15	133	1.8	283	0	24	136	.1	2.4	.05	497	164	0	63	4.5	897	8.1
	5-31-61		58	-	-	-	-	-	-	-	286	0	-	136	-	-	-	-	-	-	-	-	904	7.5
	10-24-61		58	16	-	-	49	12	141		294	0	29	144	-	2.5	-	3/516	170	0	64	4.7	926	7.9
33bcb-1	8-20-58	283	58	11	-	-	38	13	138		284	0	26	130	-	3.2	-	499	146	0	67	5.0	909	7.5
35cbc-1	6-12-59	304	57	18	-	-	71	32	75		266	0	55	134	-	8.9	-	525	308	90	35	1.9	923	7.7
(C-2-5)5ccc-2	4-19-63	360?	62	-	-	-	-	-	-	-	-	-	-	3,620	-	-	-	-	-	-	-	-	10,400	-
5dcd-4	10-11-61	417	60	-	-	-	-	-	-	-	-	-	-	232	-	-	-	-	-	-	-	-	1,030	-
6ddd-7	10-10-62	360	61	-	-	-	-	-	-	-	-	-	-	1,640	-	-	-	-	-	-	-	-	5,150	-
7bdd-1	10-11-61	300	58	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	442	-
7ddd-2	10-12-61	400	59	-	-	-	-	-	-	-	181	0	22	171	-	-	-	3/502	234	86	-	-	865	7.9
13bca-1	5- 5-61	3,540?	73	-	-	-	-	-	-	-	124	0	-	510	-	-	-	-	-	-	-	-	1,910	7.8
14dba-1	3-12-58	300	-	47	-	-	48	25	219		234	0	26	340	-	3.1	-	823	224	32	68	6.4	1,460	7.8
14dbb-1	3-12-58	300	-	38	-	-	63	26	249		272	0	42	380	-	3.3	-	935	264	41	67	6.6	1,680	7.7
15dbd-1	10-10-62	243	58	-	-	-	-	-	-	-	-	-	-	365	-	-	-	-	-	-	-	-	1,580	-
16baa-1	9-11-62	400	59	30	-	-	63	33	224		217	0	49	390	-	.6	-	3/930	292	114	63	5.7	1,680	7.6
17bcc-1	3-26-59	356	59	24	-	-	98	46	49		166	0	23	268	-	1.9	-	592	432	296	20	1.0	1,140	7.5
	7- 1-59		-	23	-	-	96	45	59		169	0	31	270	-	1.6	-	609	424	285	23	1.3	1,160	7.8
	9-24-59		59	23	-	-	91	54	44		164	0	24	270	-	1.7	-	589	446	312	18	.9	1,170	7.8
	12-29-59		59	23	-	-	90	47	48		166	0	26	252	-	1.8	-	570	416	280	20	1.0	1,110	7.8
	4- 4-60		59	27	-	-	85	46	49		168	0	24	245	-	.7	-	560	401	263	21	1.1	1,070	7.7
	10- 5-60		59	21	.00	-	101	38	52	2.4	166	0	26	252	.2	1.3	.06	3/675	408	272	22	1.1	1,090	8.1
19dcc-1	9-24-59	350	57	19	-	-	37	14	33		191	0	12	36	-	.9	-	246	148	0	33	1.2	428	7.8
20acc-1	10- 9-62	240	56	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	982	-
21aad-1	3-12-58	230	-	30	-	-	71	35	279		234	0	54	480	-	3.3	-	1,070	322	130	65	6.8	1,950	7.8
21cbb-1	10-16-62	165	56	-	-	-	-	-	222		253	0	84	378	-	5.9	-	3/1,000	345	137	58	5.2	1,730	7.7
23cdc-2	10-16-62	158	57	-	-	-	-	-	297		259	0	58	525	-	2.7	-	3/1,230	368	156	64	6.7	2,150	7.6
25aab-2	11-24-61	202	56	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	870	-
25cdd-1	8-22-58	225	55	28	-	-	30	16	133		222	0	34	151	-	.6	-	502	142	0	67	4.9	853	7.7
25cdd-4	10- 2-62	467	58	-	-	-	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	968	-
25ddd-1	8-20-58	160	57	30	-	-	51	19	109		264	0	27	140	-	2.4	-	508	208	0	53	3.3	874	7.5
26cdc	8-22-58	S	-	30	-	-	108	41	631		267	0	51	1,090	-	3.8	-	2,090	440	221	76	13	3,770	7.4
28bca-1	10-16-62	335	60	24	-	-	132	47	152		220	0	86	412	-	5.1	-	966	524	344	39	2.9	1,800	7.4
29adc-2	10-16-62	290	58	-	-	-	-	-	84		157	0	31	530	-	.5	-	3/1,260	725	596	20	1.4	1,950	7.4
30dcc-1	8-22-62	510	57	21	-	-	51	12	46		200	0	19	66	-	2.5	-	3/401	178	14	36	1.5	559	7.6
31bbd-3	3-26-59	125	54	21	-	-	96	29	27		226	0	27	138	-	10	-	459	357	172	14	.6	860	7.7
	6-29-59		54	20	-	-	84	33	31		210	0	24	147	-	8.9	-	451	344	172	16	.7	854	8.0
	9-24-59		55	19	-	-	95	30	35		234	0	32	144	-	9.7	-	480	360	168	18	.8	873	7.8
	12-29-59		53	20	-	-	95	31	29		210	6	31	144	-	11	-	470	364	182	15	.7	862	8.3
	4- 4-60		54	23	-	-	74	44	31		226	0	30	146	-	9.9	-	469	363	178	16	.7	869	7.8
	10- 5-60		56	21	.00	-	100	27	32	2.0	227	0	29	146	.2	10	.04	3/505	362	176	16	.7	865	7.9
32abc-3	10-26-62	309	-	-	-	-	-	-	-	-	-	-	-	103	-	-	-	-	-	-	-	-	633	-
33add[5]	9- 5-41	S	-	-	-	-	-	-	-	-	204	-	22	810	-	-	-	-	363	-	-	-	-	-
33bcb-3	10- 2-62	260	58	-	-	-	-	-	-	-	-	-	-	705	-	-	-	-	-	-	-	-	2,610	-
33dad-3	4-11-61	400	68	28	.12	-	91	37	255	6.0	247	0	86	454	.3	3.5	.17	1,080	380	177	59	5.7	1,940	8.1
	9-26-61		66	31	-	-	107	35	230		256	0	91	428	-	.6	-	1,050	408	198	55	4.9	1,870	7.6
	5- 1-62		68	-	-	-	-	-	256		247	0	103	452	-	-	-	3/1,140	390	187	59	5.6	1,940	7.9
33dcd-1	8-22-58	285	66	31	-	-	88	34	190		264	0	93	323	-	4.8	-	894	360	144	53	4.4	1,530	7.6

Table 4.--Chemical analyses of water from selected wells, springs, and streams in Tooele Valley - Continued

Well number or sampling-site location number	Date of collection	Depth of well (feet); if spring, S; if stream, SW	Temperature (°F)	Parts per million																Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron[1] (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K		Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids[2]	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$				
									Sodium (Na)	Potassium (K)													
(C-2-5)34add-1	8-18-58	440	64	23	-	-	53	24	196		214	0	30	318	-	2.5	-	752	236	61	65	5.6	1,380	7.6
	3-24-59		64	24	-	-	52	26	189		218	0	27	312	-	1.8	-	739	237	58	63	5.4	1,380	7.8
	7- 1-59		64	21	-	-	51	26	202		217	0	48	315	-	.4	-	770	234	56	65	5.7	1,390	7.8
34bca-3	9-26-61	320	73	-	-	-	-	-	-	-	208	0	-	1,700	-	-	-	-	-	-	-	-	5,600	7.6
34cbc-1	8-18-58	380	70	28	-	-	74	34	204		252	0	91	332	-	2.1	-	889	326	119	58	4.9	1,580	7.7
35add-1	6-28-61	513	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,460	-
35add-2	8-18-58	145	63	17	-	-	93	36	298		253	0	39	550	-	5.7	-	1,160	380	173	63	6.6	2,180	7.7
36adc-1	3- 7-59	442	63	17	-	-	61	23	124		264	0	25	192	-	3.8	-	576	247	31	52	3.4	1,070	7.6
36add-2	6/8-18-58	310	62	16	-	-	58	21	131		262	Tr.	29	192	-	2.5	-	578	232	17	55	3.8	1,070	8.2
	7/8-18-58		74	16	-	-	58	31	115		234	16	31	190	-	2.8	-	575	271	53	48	3.0	1,060	8.5
36bdd-1	8-18-58	445	64	16	-	-	47	21	176		244	0	31	250	-	2.8	-	664	204	4	65	5.4	1,240	7.7
36dad-1	8-22-58	259	60	21	-	-	69	22	161		274	0	33	249	-	5.8	-	696	264	39	57	4.3	1,220	7.8
36dcd-1	8-20-58	325	64	22	-	-	88	34	431		214	0	45	760	-	5.2	-	1,490	360	185	72	9.9	2,710	7.4
	6-12-59		64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,700	-
	9-23-59		64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,010	-
(C-2-6)14add-1	10-16-62	3,200?	-	-	-	-	-	-	-	-	-	-	-	155	-	-	-	-	-	-	-	-	1,150	-
14ddd-1	10- 3-62	434	65	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	-	-	604	-
22dbd-1	9- 6-62	147	66	-	-	-	-	-	-	-	-	-	-	119	-	-	-	-	-	-	-	-	715	-
23cbb-1	5-31-61	210	68	62	0.00	-	46	16	231		206	0	35	337	-	1.9	-	3/822	180	11	74	7.5	1,470	7.7
	8-22-62		68	52	.03	-	40	16	200	19	206	0	31	295	0.6	.8	0.10	3/774	166	0	70	6.8	1,360	7.5
23cbb-2	2-20-60	95	62	36	-	-	26	11	124		198	0	20	139	-	.5	-	454	111	0	71	5.1	783	7.6
23cdc-2	9-11-62	400	61	33	-	-	39	14	63		170	0	20	93	-	.7	-	3/344	156	17	47	2.2	604	7.7
23ddc-1	4-14-61	240	56	24	.01	-	54	16	24	2.1	184	0	15	65	.1	.5	.05	291	202	51	20	.7	510	7.5
24cbb-2	12-29-60	150?	54	33	.01	-	46	14	28	2.1	185	0	14	47	.1	.1	.04	3/265	172	20	26	.9	454	7.4
	6- 1-61		55	-	-	-	-	-	-	-	192	0	-	46	-	-	-	-	-	-	-	-	458	7.4
	10-24-61		55	33	-	-	48	14	31		195	0	18	46	-	.7	-	3/274	177	17	28	1.0	456	7.5
36acc-2	7-19-57	465	57	23	-	-	60	14	32		190	0	20	70	-	2.0	-	314	208	52	25	.9	540	7.2
(C-3-4)30aac-1	10-29-47	515	50	15	.02	-	58	21	38		220	18	22	52	.0	7.9	.02	3/334	231	21	26	1.1	589	8.5
	11- 3-49		-	14	.03	-	64	20	39		270	0	26	50	.1	10	.02	3/354	242	20	26	1.1	631	7.5
	9-14-50		-	14	.03	0.00	64	21	35	3.5	275	0	11	50	.2	8.5	.01	3/346	246	20	23	1.0	620	7.4
	4-12-51		-	15	8/.35	.00	64	20	38	3.8	270	0	22	51	.0	8.1	.02	3/351	242	20	25	1.1	618	7.9
	9-10-52		40	12	.01 8/.01 .01	-	64	16	47	1.4	278	0	23	52	.1	6.9	-	3/352	226	0	31	1.4	630	7.6
	10-27-52		57	-	8/.06	.00	-	-	-	-	278	0	-	-	-	-	-	-	-	-	-	-	633	7.5
	9- 3-53		-	14	8/.06 .02	.00	63	21	38	1.5	275	0	23	51	.1	6.9	-	3/350	244	18	25	1.1	621	7.8
	2-13-57		52	12	.01	-	67	20	35	1.3	274	0	23	48	.1	6.7	-	3/345	250	25	23	1.0	628	7.3
31bba-1	4- 8-54	701	64	24	8/.12 .06	.07	77	30	112	3.2	272	0	97	160	.2	9.9	-	3/644	316	92	43	2.7	1,100	7.4
	10-18-54		-	24	8/.07 .07	.00	84	32	98	2.9	268	0	82	185	.1	9.3	-	3/653	341	122	38	2.3	1,110	7.4
	2-13-57		62	22	8/.12 .02	.00	85	32	108	2.9	264	0	77	192	.1	5.8	-	3/691	344	128	40	2.5	1,160	7.4
32bbc-1[9]	11- 54	720	-	38	.85	-	64	11	101		276	0	66	84	>3.0	14	-	559	204	0	38	3.1	-	6.7
	12- 9-54		-	44	.75	-	62	6	87		219	0	30	93	1.3	32	-	397	180	0	51	2.8	-	7.0
	8-24-55		-	34	.00	-	75	12	52		270	0	24	66	.2	12	-	418	238	15	32	1.5	-	7.6
32bcc-1[9]	9-28-56	710	-	8	.02	-	58	43	209		269	0	32	364	.8	5.2	-	914	320	101	59	5.1	-	7.7
	10-17-62		-	-	-	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	1,760	-
35aba-3[10]	8- 7-59	-	49	9	-	-	67	26	9.2		290	0	33	16	-	1.9	-	305	276	38	7	.2	566	7.8
(C-3-5)4bbb-2	5-11-59	410	60	23	-	-	112	41	156		219	0	38	402	-	1.8	-	882	448	268	43	3.2	1,640	7.9
	8-22-62		60	21	.00	-	118	43	194		220	0	50	468	-	1.6	-	1,000	472	292	47	3.9	1,910	7.5
5aba-1	6-10-59	412	56	19	-	-	75	28	57		208	0	22	164	-	.4	-	467	302	131	29	1.4	865	7.6
7abc-1	8-22-62	390	54	20	-	-	68	12	26		220	0	16	55	-	1.5	-	3/305	220	40	20	.7	540	7.7
7dcc-1	7-12-57	395	53	23	-	-	65	13	27		220	0	19	52	-	2.0	-	309	217	37	21	.8	520	7.3
	6-29-59		56	18	-	-	61	16	23		220	0	13	51	-	1.5	-	292	216	36	19	.7	510	7.7
36ddd-1	11- 3-49	763	-	22	.09	.00	111	48	87		279	0	133	205	.2	9.1	.03	3/785	474	246	29	1.7	1,280	7.6
	9-14-50		-	22	.05	.00	115	47	91	5.4	285	0	140	210	.1	7.0	.01	3/822	480	247	29	1.8	1,340	7.2
	4-12-51		-	22	8/.10 .02	-	108	45	90	7.4	278	0	126	204	.1	4.5	.03	3/784	454	226	30	1.8	1,270	7.7
	9-10-52		42	21	8/.07 .07	.00	109	45	95	4.9	281	-	145	202	.0	4.7	.11	3/760	457	226	31	1.9	1,280	7.3
	9- 3-53		-	22	8/.06 .03	.00	109	46	90	4.2	277	0	123	210	.1	5.1	-	3/780	461	234	30	1.8	1,280	7.6
	11-23-54		-	20	.06	-	121	54	97	4.6	288	0	170	228	.1	7.4	-	3/871	524	288	28	1.8	1,400	7.3
	2-13-57		-	19	.04	-	115	46	91	4.2	277	-	135	210	.1	4.0	-	3/843	474	247	29	1.8	1,330	7.2
(C-3-6)1bdb-1	6-29-59	418	56	20	-	-	71	15	36		188	0	23	97	-	2.1	-	356	239	85	24	1.0	633	7.6
	4- 6-61		56	19	.01	-	74	15	32	1.2	184	0	24	98	.1	1.8	.05	3/371	247	96	22	.9	638	7.5
	9-26-61		57	25	-	-	81	10	35		193	0	26	93	-	2.9	-	3/399	242	84	24	1.0	634	7.4
1cbd-1	9-29-61	305	56	-	-	-	-	-	-	-	177	0	-	44	-	-	-	-	-	-	-	-	432	7.5
30bba	8-22-62	SW	60	10	-	-	36	9.5	12	.5	146	0	12	18	.1	.4	.02	3/170	128	8	17	.5	295	8.1
36aac-1	3-22-56	780	-	19	8/.20 .04	-	80	21	34	1.6	291	0	20	69	.2	3.2	-	3/392	286	48	20	.9	686	7.5
	2-14-57		56	16	.07	-	79	19	35	1.5	280	0	18	68	.1	3.3	-	3/403	274	44	22	.9	675	7.3
(C-4-3)17ad	8- 5-59	SW	52	12	.00	-	54	20	10		246	0	20	10	-	2.1	-	249	216	14	9	.3	435	8.0

Table 4.--Chemical analyses of water from selected wells, springs, and streams in Tooele Valley - Continued

Well number or sampling-site location number	Date of collection	Depth of well (feet); if spring, S; if stream, SW	Temperature (°F)	Parts per million																	Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron 1/ (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K		Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids 2/	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$				
									Sodium (Na)	Potassium (K)														
(C-4-4)10cad	8-22-62	SW	49	9.4	0.00	-	69	15	11	1.1	253	0	25	16	0.1	2.2	0.02	3/272	233	25	9	0.3	476	7.5
(C-4-6)6ca	8-22-62	SW	52	7.1	-	-	43	11		4.6	172	0	14	3.5	-	.6	-	3/175	151	10	6	.2	327	7.8

1/ In solution at time of analysis.
2/ Calculated from determined constituents except as noted.
3/ Residue on evaporation.
4/ Sample incorrectly reported by Connor, Mitchell, and others (1948) as collected from well (C-2-5)15ccc.
5/ Sample incorrectly reported by Connor, Mitchell, and others (1948) as collected from spring (C-2-6)33add.
6/ Sample collected from house.
7/ Sample collected from milkhouse.
8/ Total iron.
9/ All analyses by Utah State Department of Public Health except sample collected from (C-3-4)32bcc-1 on 10-17-62.
10/ Sample collected from combined flow of developed springs and 1 to 3 of the 7 wells (including (C-3-4)35aba-3) at the mouth of Middle Canyon.

Table 5.--Pumpage from wells in Tooele Valley during 1962
(domestic wells excluded)

Pumpage: Calculated from power records after determining the amount of water produced by each well per 1,000 kilowatt-hours of power consumed. Exceptions were reported, r; or estimated, e.
Use: Ir, irrigation; In, industrial; M, military supply; P, public supply.

Well number	Pumpage (acre-feet)	Use
(C-1-4)26ddd-1	80r	In
(C-1-6)22ddc-1, 32dcb-1	40r 1/	In
(C-2-4)21add-1	260	Ir
22ccb-4	180	Ir
28aab-1	40	Ir
28aac-1	430	Ir
28daa-1	160e	Ir
28dab-1	70r	Ir
28dcb-7?	30e	Ir
31add-6	70	Ir
31bdc-3	250	Ir
31cda-2	190	Ir
32bdd-3	20	Ir
32caa-5	180	Ir
(C-2-4)32cac-1	30e	Ir
32cad-1	30	Ir
33aab-1	170	Ir
33add-1	160	Ir
33bdd-1	350	Ir
33dac-1	90r	Ir
34bdd-1	110	Ir
35cbc-1	470	Ir
(C-2-5)30dcc-1	110	Ir
32daa-13	80e	Ir
33dad-3	190	Ir
33dba-1	90	Ir
33dcd-1	510	Ir
34bca-3	120	Ir
35add-1	20e	Ir
(C-2-5)36adc-1	410	Ir
36bdd-1	300	Ir
36dcd-1	220	Ir
(C-2-6)22dbd-1	50r	In
23cbb-1	50e	Ir
23cdc-2	50	Ir
26dac-1	140	Ir
36acc-2	120	P
36baa-10, 36baa-12	150 1/	Ir
36bbb-1	120	Ir
(C-3-3)20baa-1, 20baa-2, 20bab-1, 20bba-1	500e 1/	In
(C-3-4)28cdc-1	40e	P
30aac-1	190r	M
31bba-1	265r	M
32bbc-1	520	P
32bcc-1	210	P
35aba-1-7	150e	P
(C-3-5)4bbb-2	620	Ir
5aba-1	60	Ir
5ada-1	140	Ir
7abc-1	820	Ir
7dcc-1	440	Ir
36ddd-1	400r	M
(C-3-6)1bdb-1	460	Ir
1cbd-1	220	P
36aac-1	2	M

Total pumpage (rounded): 11,180 acre-feet

Totals by use (rounded):

	acre-feet	millions of gallons
Irrigation	8,390	2,734
Public supply	1,260	411
Military supply	860	280
Industrial	670	218

1/ Combined pumpage.

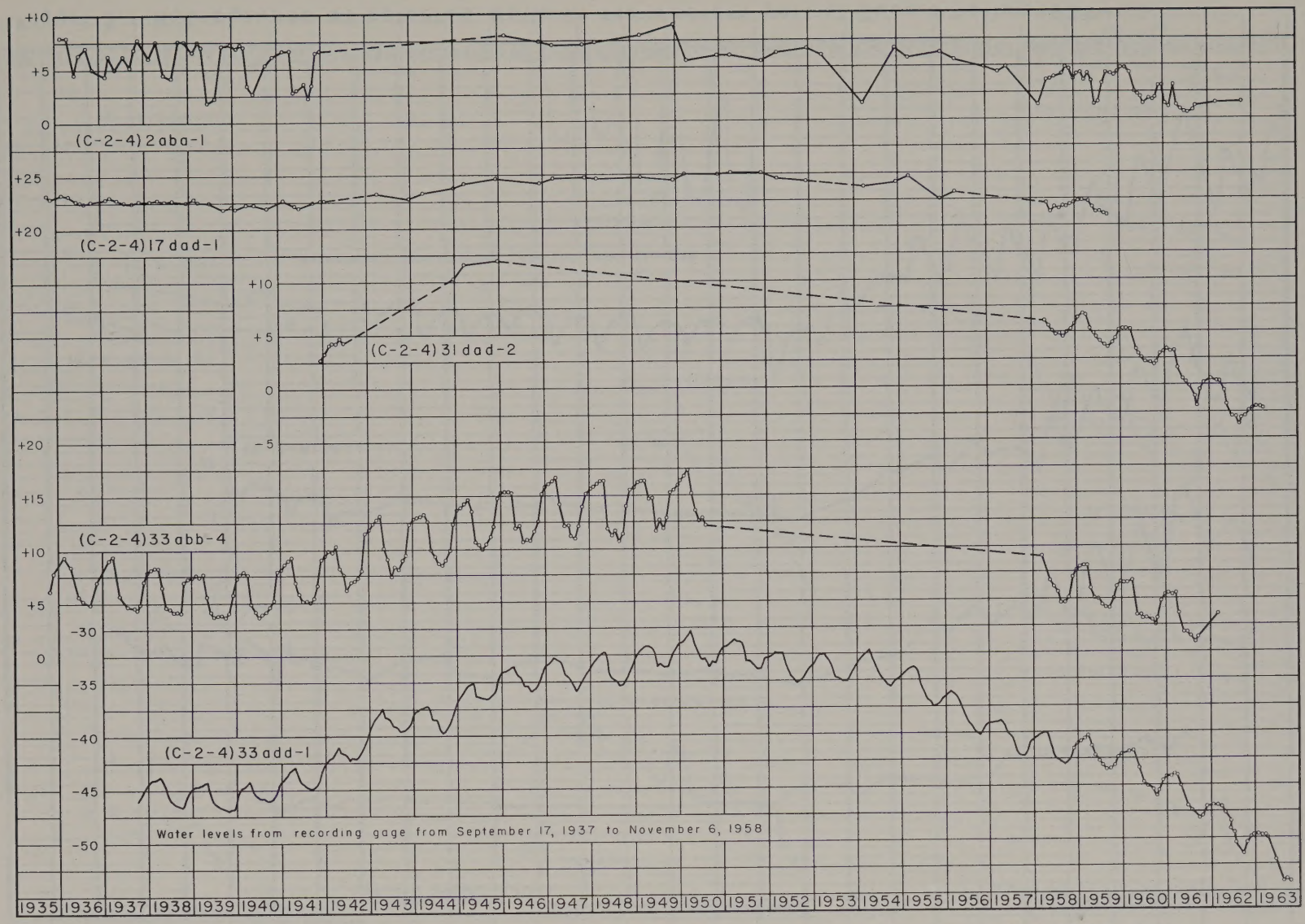

Figure 2. — Hydrographs of selected wells in the eastern part of Tooele Valley, 1935–63.

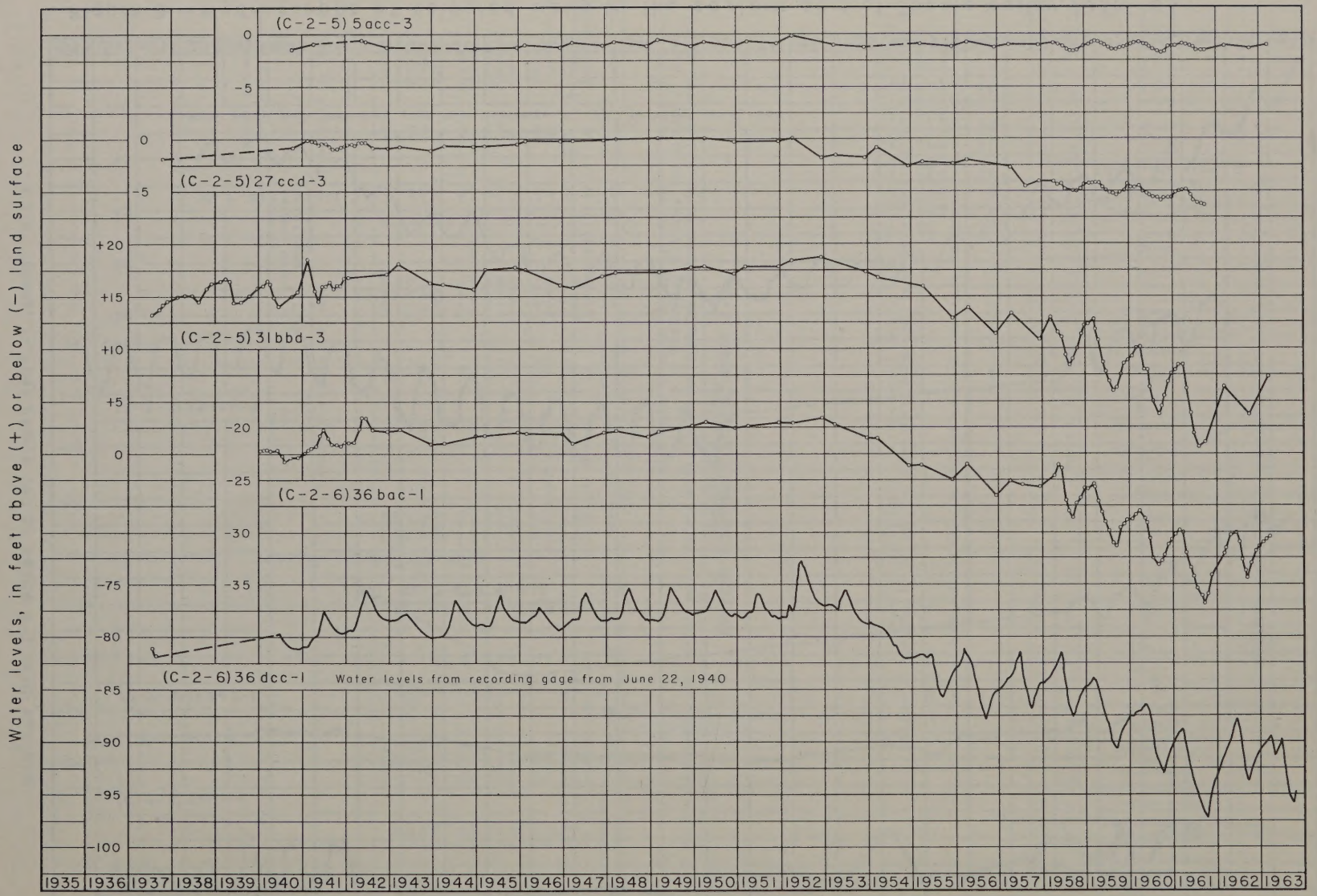

Figure 3.—Hydrographs of selected wells in the western part of Tooele Valley, 1937–63.

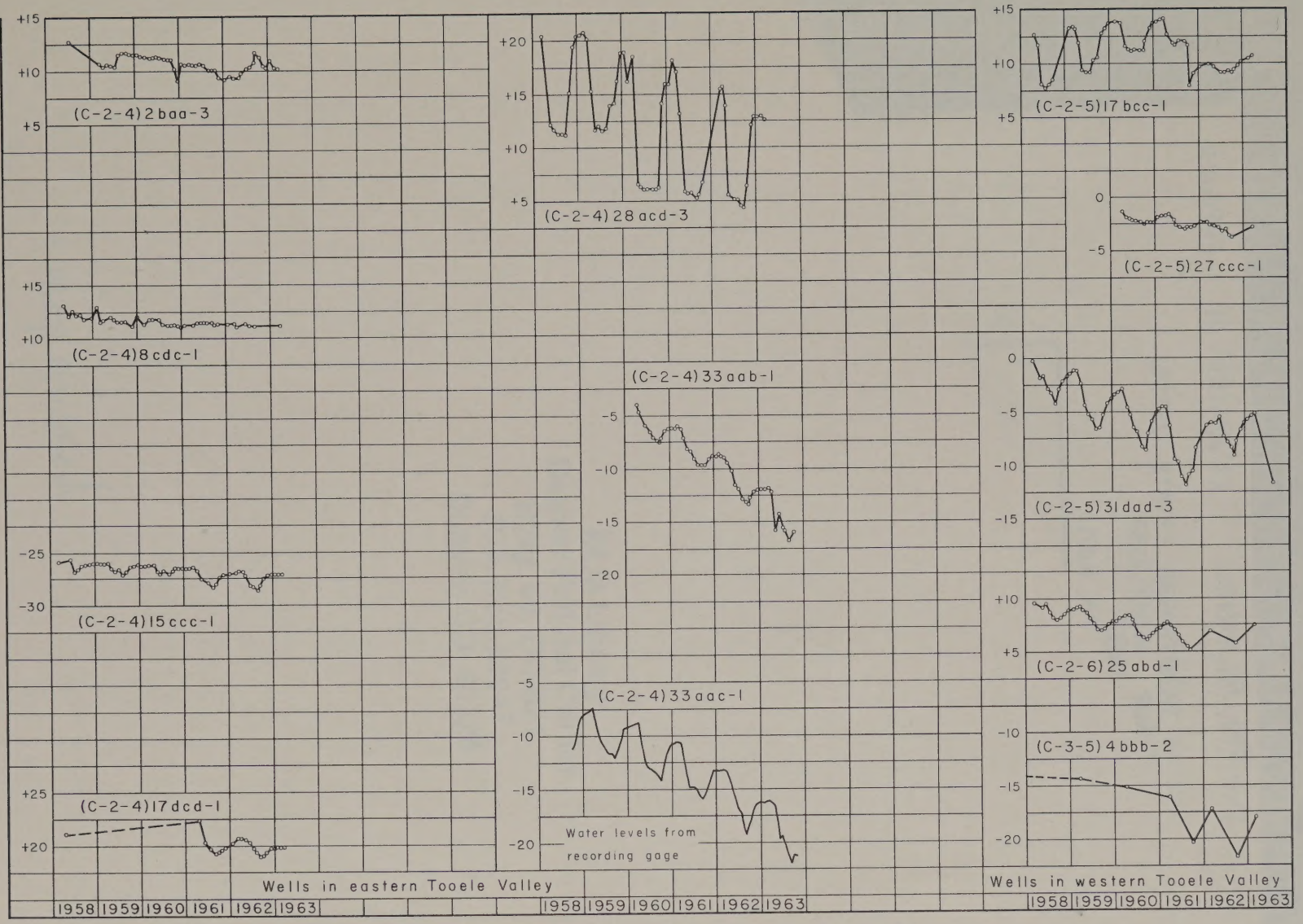

Figure 4. — Hydrographs of selected wells in Tooele Valley, 1958 – 63.

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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
AND
UTAH STATE ENGINEER

BASIC-DATA REPORT NUMBER 7
1963
PLATE I

EXPLANATION

- Well, not flowing in March 1962
- Well, flowing in March 1962
- Spring
- Surface-water sampling site
- C — Chemical analysis in table 3
- H — Hydrograph in figure 2, 3, or 4
- L — Driller's log in table 4
- P — Pumpage from well during 1962 in table 5
- W — Water-level measurements in table 2
- Boundary of drainage basin
- Approximate boundary of military reservation
- Approximate boundary of mountain range

LOCATION MAP

Base map from U. S. Geological Survey topographic quadrangles.

By J. S. Gates, 1963

MAP OF TOOELE VALLEY AND ADJACENT MOUNTAINS, UTAH, SHOWING THE LOCATION OF SELECTED WELLS AND SPRINGS AND SITES SELECTED FOR WATER SAMPLING